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STARWATCH DUAL PRO II ™

Software User Manual

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Chapter 1 Installation Environment

STARWATCH DUAL PRO II™ Introduction

This chapter explains STARWATCH DUAL PRO II™ main functions and installation environment.

STARWATCH DUAL PRO II™ Main Functions

This program connects the controller and PC via Serial and TCP/IP communication to send and receive data. It uses the data received to run its many functions.

The controller and program are mutually connected to provide access control for higher security. It also has a variety of applied additional functions to manage access control. The user's event data can be used as basis for time attendance reporting, as well as access control in corporate environments.

- Usable Device

  Usable device : STAR 505R , STAR FINGER007 , STAR ICON100 , STAR FACE007, STAR SR505R , STAR FINGER007SR , STAR ICON100SR, FINGER006, FGR006, STAR FACE007SR etc...

  STARWATCH DUAL PRO II™ can control 8 different types of controllers. For that reason, Cardholder can use two different types of cards, 125 KHz type card and 13.56 MHz type card.

- Multi Loop Support

  This configuration can be applied from address 01 up to 99. Using Serial or TCP/IP communication, you can connect up to 99 communication loops. One Loop can connect up to 32 devices. However, if you go over the fixed number of devices in a communication loop, the PC resources may not support the setup. Use the Loop to gain the best possible communication management depending on the environment.

- Multi Language Support

  Multi Language support has two main languages as default (Korean, English). Additionally, 5 other languages are supported through user's input. Using a separate multi language definition program, the user can change the English characters into their own language as default to use the s/w in their own language.

- Card Holder Management Function Combinations

  Card Holder Management provide the customers the user's basic information (name, company, dept, etc.) in addition, access group and time attendance data can be entered and modified in one screen.

  Also, registration and delete date can be scheduled for automatic deletion on selected date.

  Specific user can be deleted through card holder management, and can be recovered later on by managing separately. The deleted user current status can be known.

- Deleted User Managing Function

  The deleted user from card holder management is processed separately, and can be recovered to put into normal status, without any need to re-enter the user data. Also, deleted user's current status can be viewed as a report by making an inquiry.

- Visitor Management Function

  Visitor management is processed by identifying the user as non regular card holder. Visitor's data contains company, name, and reason for visit, visitor, visiting dept. Access area and time can be controlled by access group.

  Automatic delete function through specific date and time registered will erase card number. Also, visitor's current status can be seen as a report by making an inquiry.

- Map Function

  Map can be setup using area and floor as basis to the corresponding floor. Door and sensors are shown as icons, and depending on user options, the time of day when an event occurs will be shown automatically on the map.

- TCP/IP and Serial Communication Simultaneous Support

  Using multi Loop function, network and serial communication can be activated simultaneously. Set Loop 1 as serial and Loop 2 as network configuration to activate simultaneously using both ports.

- Alarm Event Acknowledgement

  Using Alarm Event Acknowledgement, when an event occurs, the manager can input detail of information to acknowledge the alarm.

  All alarm events must be acknowledged by the manager to have the alarm event cancelled. The acknowledged result is stored in database for later retrieval as a report.

- Alarm Event Type Color Indication

  Using color to differentiate alarm event type gives easy monitoring in one screen. The alarm event acknowledged by the manager is shown in black.

- Various Access Control Reports

The program contains reports of card holder, deleted user, access status, alarm status, visitor status; user permitted per authorized door, individual permitted door, and final access area giving variety of access control reports.

- Work Attendance and Various Related Reports

  Work attendance management function is included in basic form; therefore a separate program is not necessary.

  Individual work hour and holiday setup is possible. You can configure expiration for date, month, and year to support report retrieval by making an inquiry for work hour data.

  Using the work hour data, you can calculate work hour, tardiness, leave of absence, overtime, holiday/weekend overtime, number of days worked, number of days of tardiness, and number of days of leave absence.

  User can modify the user data to reflect on expiration day, month, and year after the final worker ends the shift for the day.

  All work hour data can be sent to Excel file or text file to be used in other applications such as ERP.

  Reports support type by individual, day, month, month detail, Annual, and can be converted to look like HTML, PDF, and Excel format.

- Various Export and Converting Function

  STARWATCH DUAL PRO II™ supports export and converting function through inquiry and report function.

  The file is sent as text or Excel format. In this case, connecting the file to other applications (time attendance, wage, and ERP) can be efficient.

  In converting function, the report is converted to Excel, HTML, and PDF in its original form. In this case, the file can be converted to be sent to the internet and email for data report transfer.

- Various Options

  User can setup various options.

  You can setup event type indication, and saved database existence. By setting up .wav file for each event type, you can have an alarm event sound.

  Also, when an event occurs, email dispatch function can be used if email server is present at location. Email dispatch will be sent out to up to 3 people in matters to alarm event current status.

  Map indication existence can be setup by event type.

- Uniformed User Interface

  User interface is uniformed by, using an icon for each function with one select operation for overall ease of use without difficulty. Also, button key by menu type and function can be setup to operate function at once.

STARWATCH DUAL PRO II™ Installation Environment

Operating System

STARWATCH DUAL PRO II™ is a 32 bit Windows compatible S/W. It operates in Windows 2000 Professional, Server Edition and higher versions, along with Windows XP Home and Professional Edition.

The STARWATCH DUAL PRO II™ does not support Windows 95, ME, 98, 98SE or NT 4.0.

It is recommended the STARWATCH DUAL PRO II™ to be installed in Windows 2000 Professional or Windows XP Professional. These operating systems are powerful and stable for STARWATCH DUAL PRO II™ operations.

Minimum Configuration

Minimum configuration is no more than 20 controllers and 40 readers for the system. One or two Loop usage is suitable. Maximum users of less than 100-200 users are recommended in configuration. Memory expansion improves system functions therefore, having more memory is beneficial.

- ✓ CPU: Pentium III-700 MHz or Higher
- ✓ Memory: 128 Mb or Higher
- ✓ HDD: 2 Gig min.
- ✓ Port: 2 serial Loop or Higher
- ✓ Network: 1 Ethernet card
- ✓ OS: Windows 2000 Professional or Windows XP Home

Recommended Configuration

Recommended configuration is no more than 60 controllers and 120 readers for the system. Four Loop usages are suitable. Maximum users of no more than 500 users recommended in configuration. In this case, it is good to have a separate PC to operate independently. It is recommended to use general PC mfrs and servers matching configurations below. Memory expansion improves system functions therefore, having more memory is beneficial.

- ✓ CPU: Pentium 4 or Higher
- ✓ Memory: 256 Mb or Higher
- ✓ HDD: 4 Gig or Higher
- ✓ Port: 4 serial Loop (Needs Multi Loop card) or Higher
- ✓ Network: 1 Ethernet card
- ✓ OS: Microsoft Windows 2000 Professional or Windows XP Professional

Performance Configuration

Performance configuration is no less than 60 panels and 240 readers for mid to large size system. Also, 8 ports or no less is suitable for operation. Maximum users of no less than 500 users recommended in configuration. In this case, it is good to have a separate PC to operate independently. It is recommended to use general PC mfrs and servers matching configurations below. Memory expansion improves system functions therefore, having more memory is beneficial.

- ✓ CPU: Pentium 4 or Dual processors.
- ✓ Memory: 512 Mb or Higher
- ✓ HDD: 8 Gig or Higher
- ✓ Port: 8 serial Loop (Needs Multi Loop card) or Higher
- ✓ Network: 1 Ethernet card
- ✓ OS: Microsoft Windows 2000 server or Windows XP Professional

Other Configuration (Network, Modem)

Besides using serial communication, STARWATCH DUAL PRO II™ can use TCP/IP and Dial Up using a modem for communications.

In TCP/IP communication, there is an external converter (NetEye 1000S) giving you 1 types of converters.

To use TCP/IP communication, you will need an external converter and the PC has to be able to use the network.

If using a modem, you need to use an external modem. For assurance of tech support and device compatibility, we recommend 3COM's US Robotics 56K External Modem or NetComm(http://www.netcomm.com.au/) Roadster V.92 Serial Modem.

For detailed explanation regarding TCP/IP and modem communication, please refer to chapter 7 (TCP/IP communication) and chapter 8 (Dial Up communication).

System Specification For TCP/IP Loop

System Specification For TCP/IP Loop

TCP/IP Loop	Network HUB	Minimum (CPU,MEMORY,OS)	Recomended (CPU,MEMORY,OS)
10 and less	switch , dummy	P-III 866 , 128M , Win2000 Pro	P-IV 2.0G , 256M . Win2000 Pro
20 and less	switch , dummy	P-III 866 , 256M , Win2000 Pro	P-IV 2.8G , 256M . Win2000 Pro
30 and less	switch	P-IV 2.0G , 512M , Win2000 Pro	P-IV HT 2.8G , 512M . Win2000 Server
50 and less	switch	XEON CPU , 512M , Win2000 Pro	XEON DUAL CPU, 1G . Win2000 Server
70 and less	switch	XEON CPU , 512M , Win2000 Pro	XEON DUAL CPU, 1G . Win2000 Server
99 and less	switch	XEON CPU , 1G , Win2000 Pro	XEON DUAL CPU, 1G . Win2000 Server

Chapter
2 STARWATCH DUAL PRO II Installation

STARWATCH DUAL PRO II™ Installation

This chapter explains STARWATCH DUAL PRO II™ installation.

STARWATCH DUAL PRO II™ Installation

Operating System

The following is the STARWATCH DUAL PRO II™ installation OS.

Microsoft Windows 2000 Professional Edition (SP4)

Microsoft Windows 2000 Server Edition (SP4)

Microsoft Windows XP Home Edition(SP2)

Microsoft Windows XP Professional Edition(SP2)

Also, it is not necessary, but we recommend installing Internet Explorer 6. If you do not have this browser, you can download at Microsoft Web Site.

http://www.microsoft.com/downloads/search.aspx?displaylang=en

Microsoft SQL Server(MSDE)

STARWATCH DUAL PRO II™ uses the Microsoft SQL Server(MSDE). SQL Server should be installed to operate STARWATCH DUAL PRO II™.

DUAL_PRO_II_ACS, DUAL_PRO_II_TAS, DUAL_PRO_II_CLT are installed in Microsoft SQL Server (MSDE).

Use SQL Server 2000 Enterprise Manager version or upper.
Recommend SQL Server 2000 Enterprise Edition.
SQL Server 2000 must be installed on Windows 2000 Server only.

Microsoft Office 97 Program

STARWATCH DUAL PRO II™ uses the Microsoft Access 97 database within the Microsoft Office 97 application.

Microsoft Office 97 program is not necessary, but for database and user operation, it makes it convenient. (Microsoft Office XP installation works the same)

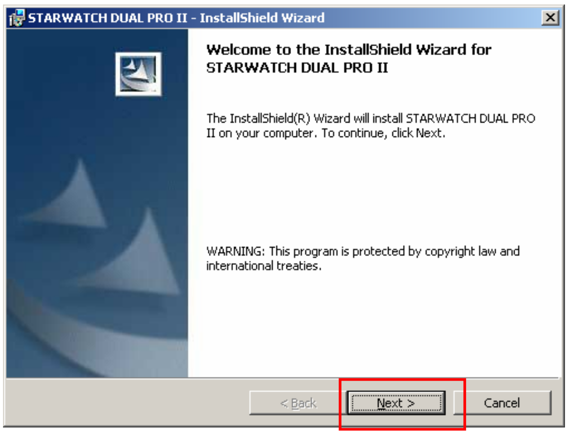
Microsoft Office 97 is used only in STAR-LANGUAGE.mdb. Other database is installed in Microsft SQL Server(MSDE).

Installation is recommended, if program is obtained.

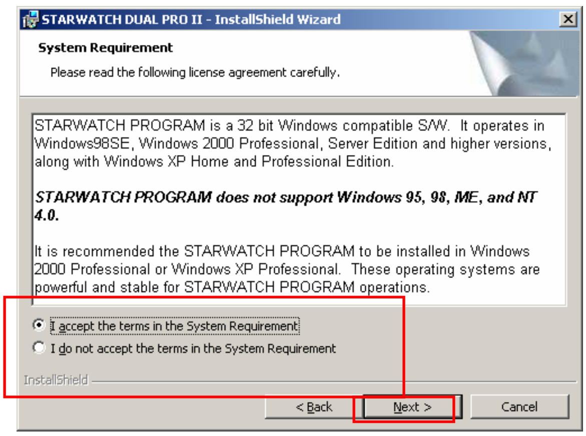
Installation

Find the Setup.exe file in Install files folder of the software CD and select it to initialize its installation.

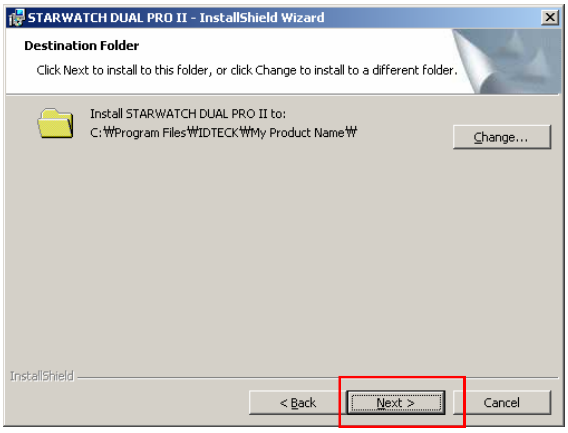
1) As the following window shows on the screen, select "Next" in order to start the installation process.



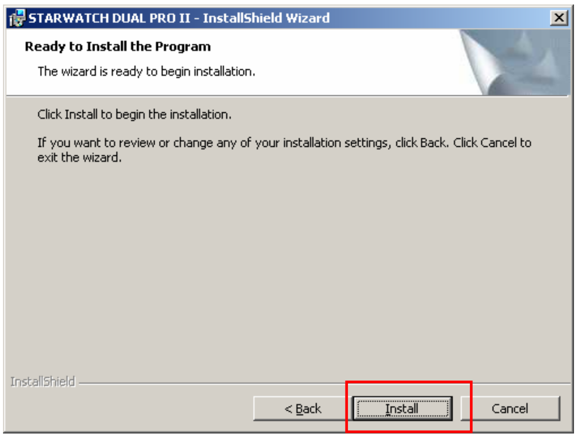
2) Choose "I accept the terms in the System Requirement" to install the STARWATCH DUAL PRO II™.



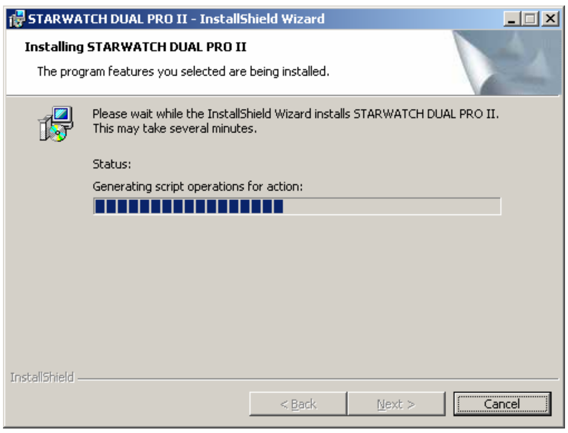
3) Select a folder in the Program Folder to install the STARWATCH DUAL PRO II™. Use the defaulted name. Click 'Next >' button.



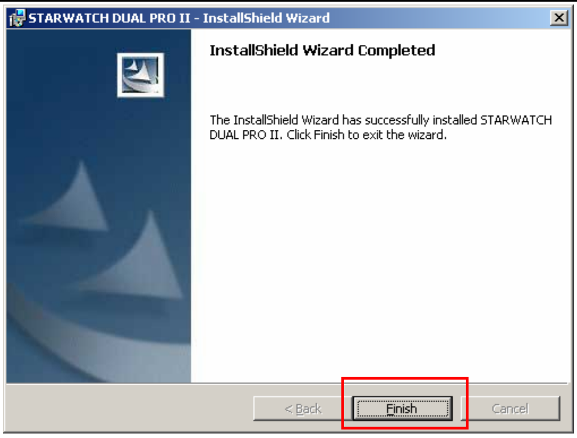
4) Select "Install" to start its process.



5) During the process it shows its status. Please wait.



6) If completed, it shows as below. Select "Finish" to finish it.

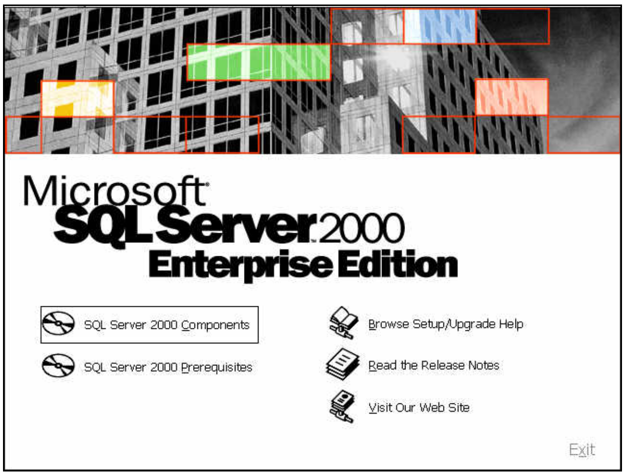


SQL Server Installation

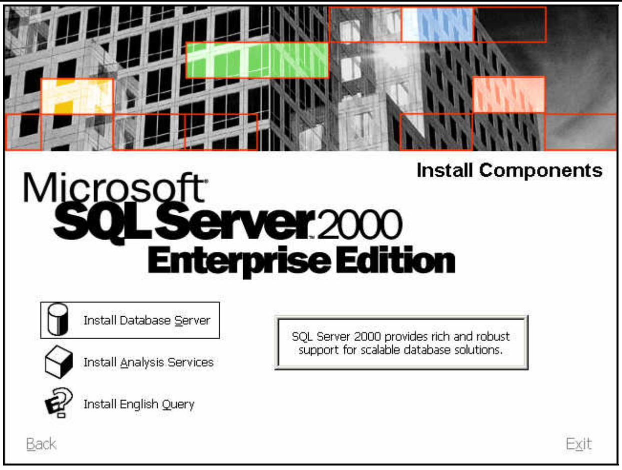
SQL Server 2000, data base server is required to operate STARWATCH DUAL PRO II.

Use SQL Server 2000 Enterprise Manager version or upper.
Recommend SQL Server 2000 Enterprise Edition.

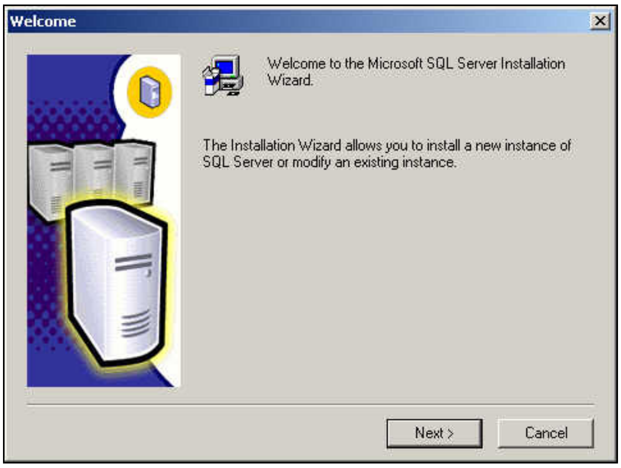
1. Select SQL Server 2000 Components.



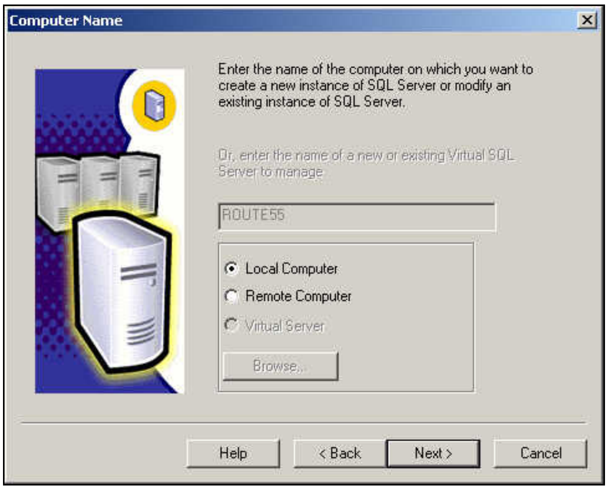
2. Install Database Server.



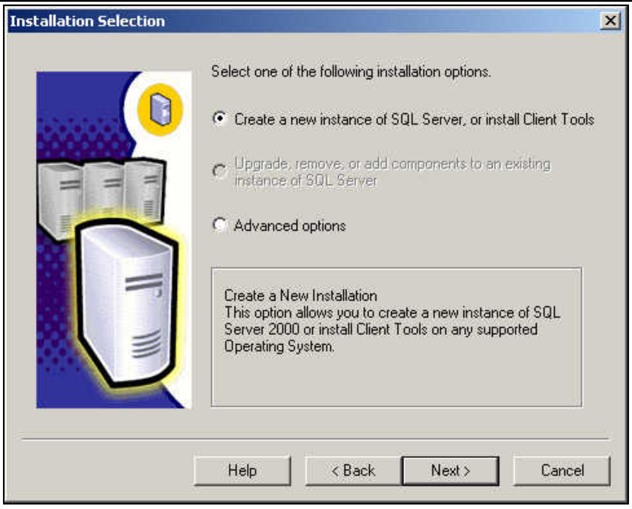
3. It shows Database Server initial installation window. Click Next to continue.



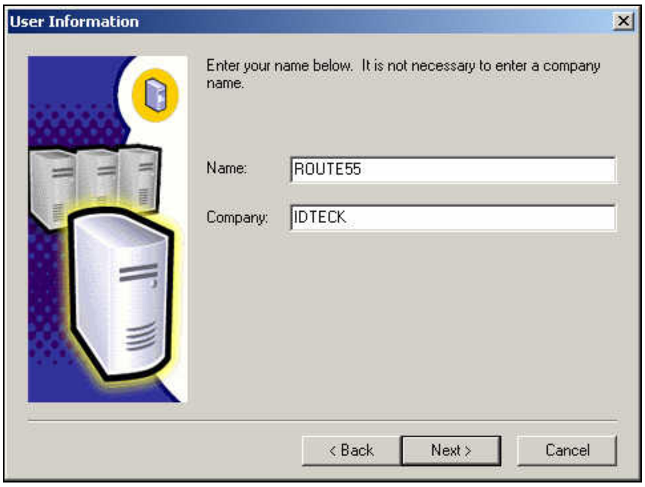
4. Select the computer to install Database Server.
   (Generally, install Database Server at the computer where to install STARWATCH DUAL PRO II.)



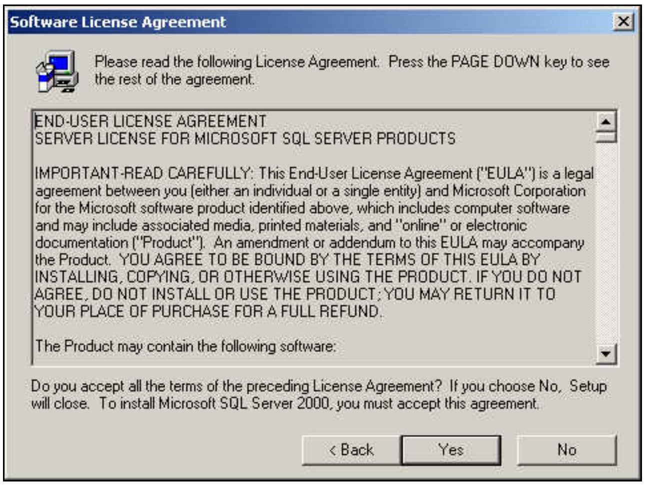
5. Install Database Server and Database Client Tools.



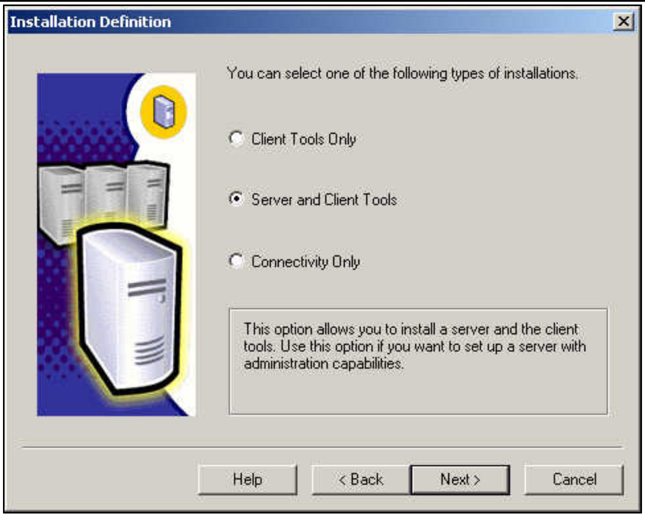
6. Type the computer name and company name of the computer where to install Database Server.



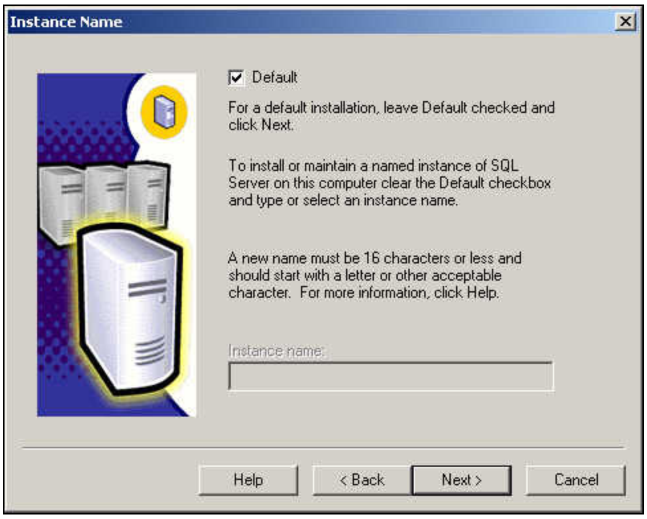
7. Click yes for Software License Agreement.



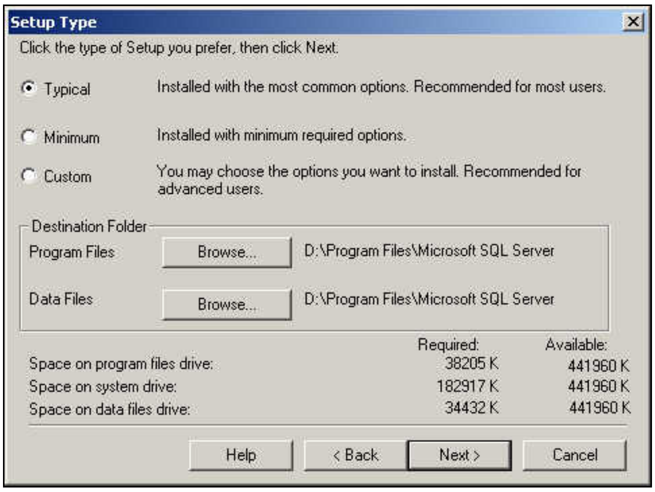
8. Select **Server and Client Tools** for component type as follows.



9. Type or select Database Server Instance Name. To name it same as the computer name check “default”.



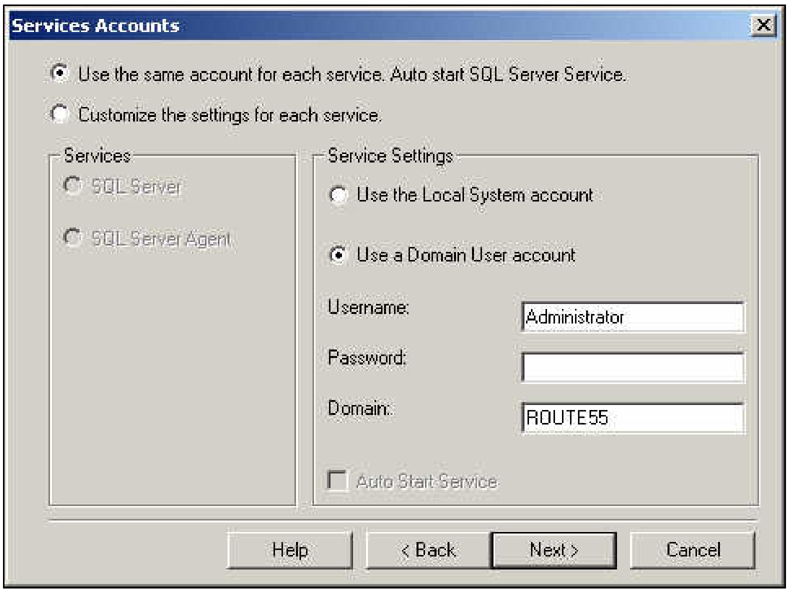
10. Select type of setup and location.
    Generally, choose “Typical” and “ program files”.



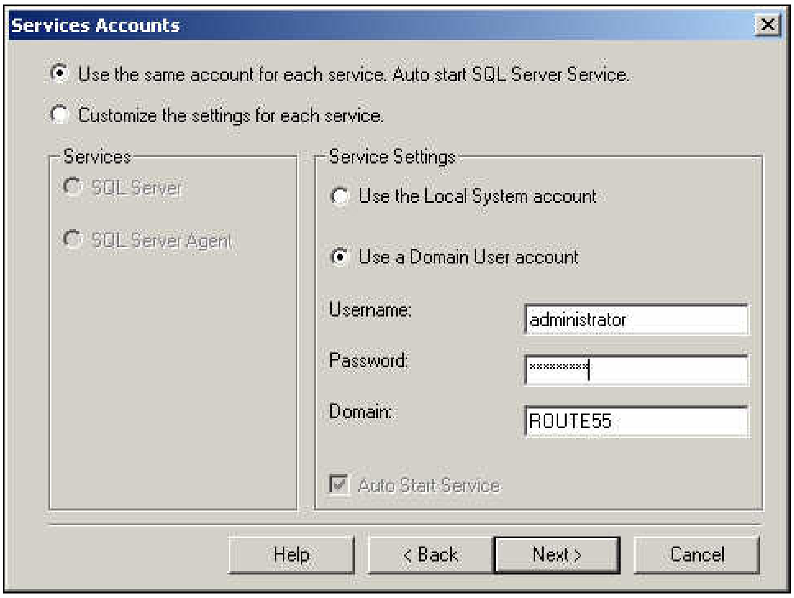
+ The following " Account" related section is very important.
Please follow the setup instruction carefully.

11. Select 'Use the same account for each service. Auto start SQL Server Services' for Services Accounts.
    It makes SQL Server start automatically when OS is opened.

    To use the computer system account as services account check 'Use the Local System account'.
    To use a specific account, 'Use a Domain User account'.

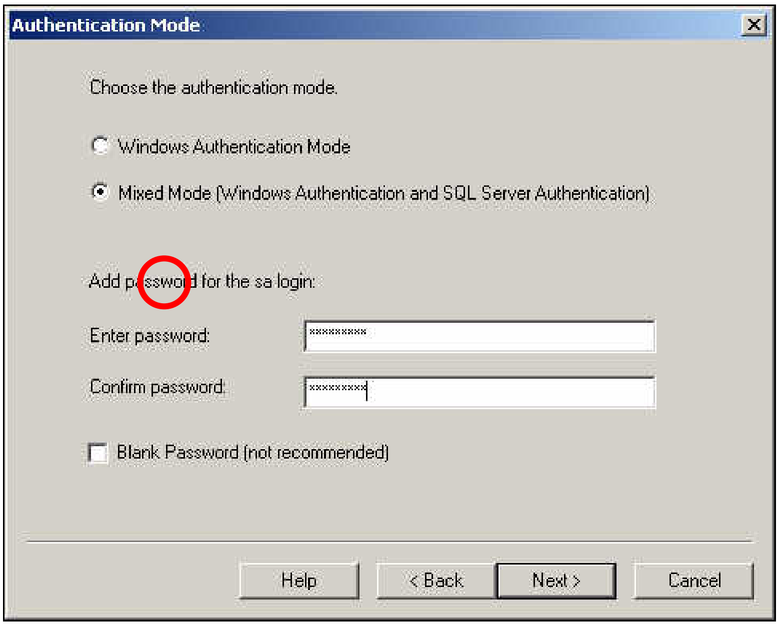


12. If select 'Use a Domain User account', type its password.

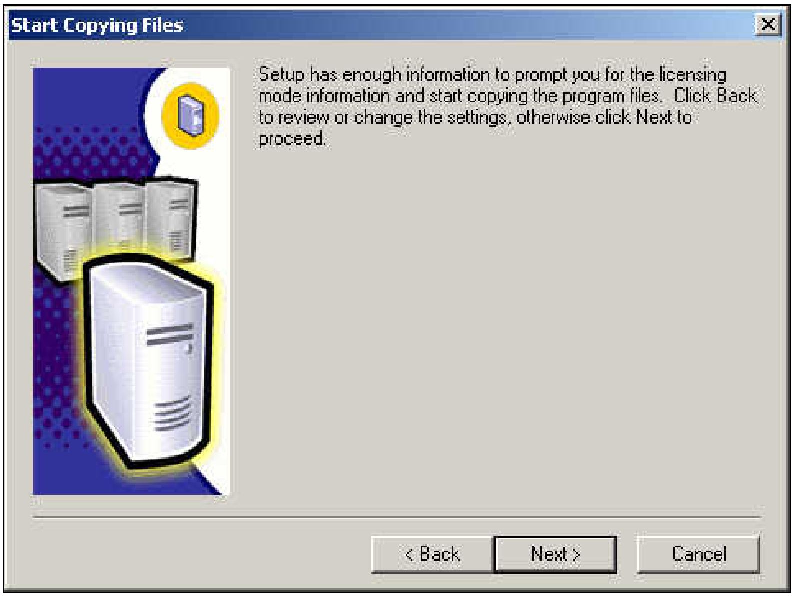


13. In case of Authentication Mode MUST choose **'Mixed Mode'**.
    Type the password for SQL Server general user account '**sa**'.

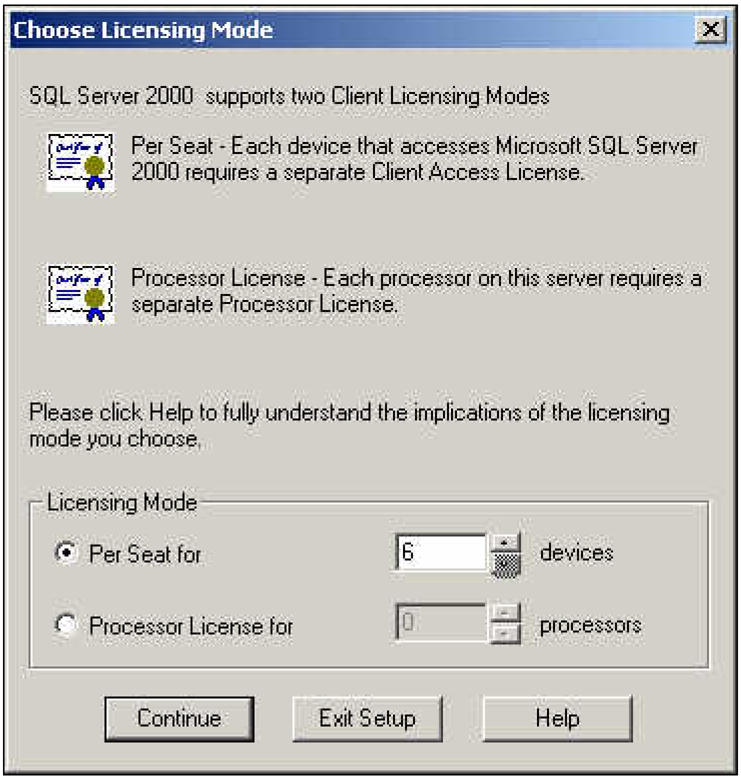
    May use general password '**starwatch**'
    Or for other specific password, type it.



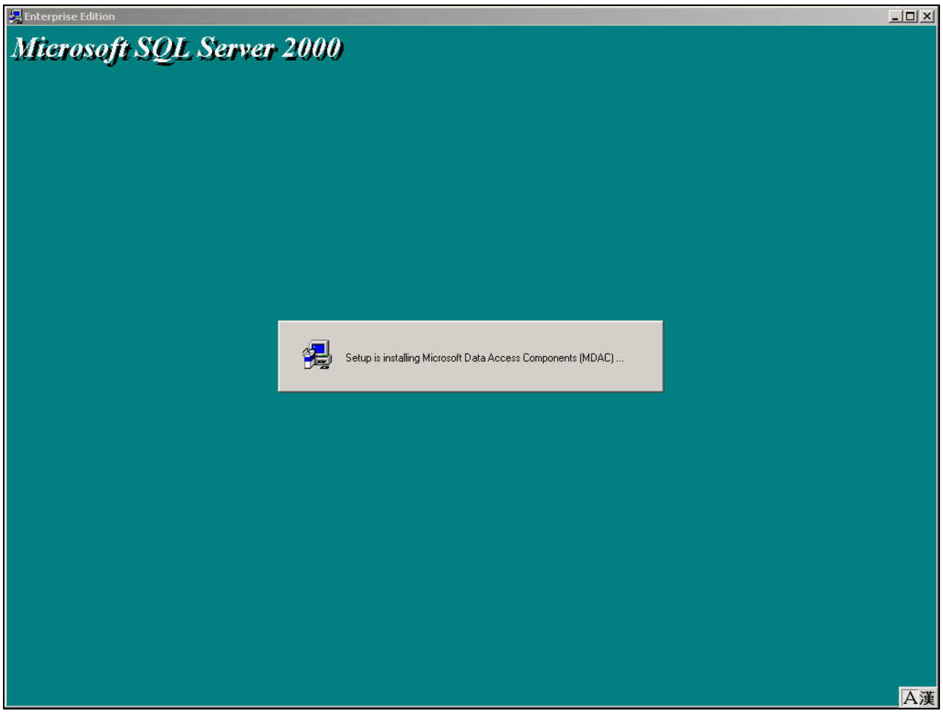
14. It starts file copy.

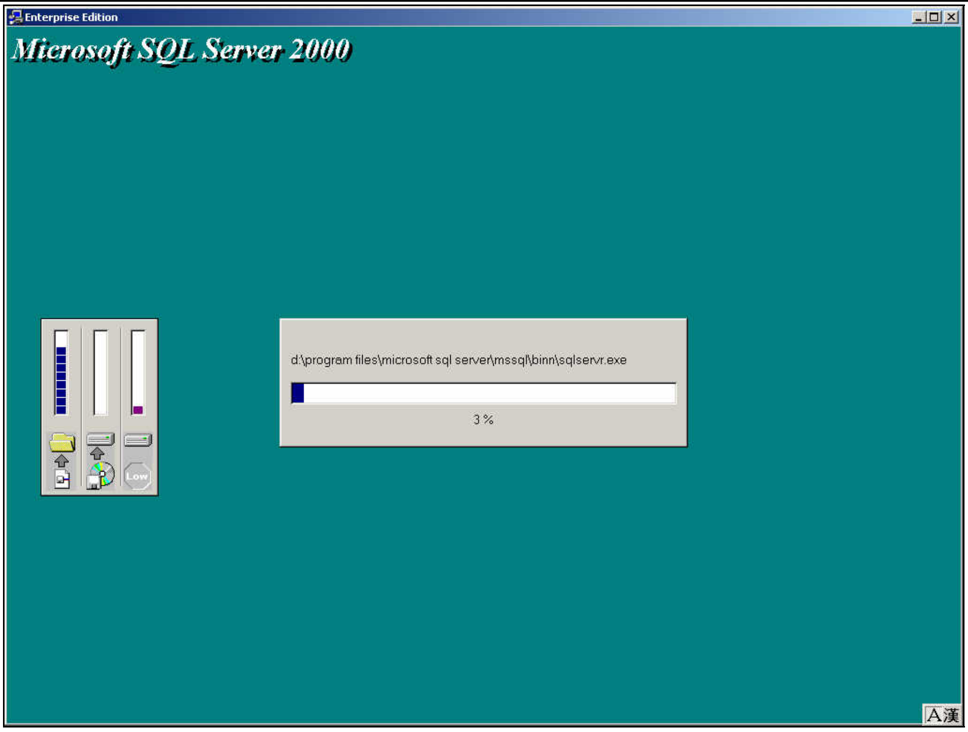


15. Set Licensing Mode as '**Per Seat**'.
    Select Device number Access control server + client number.
    In case of Starwatch DUAL Pro client 5 units, server 1 + client 5 = 6.



16. It starts installation.





17. It finishes Database Server setup.

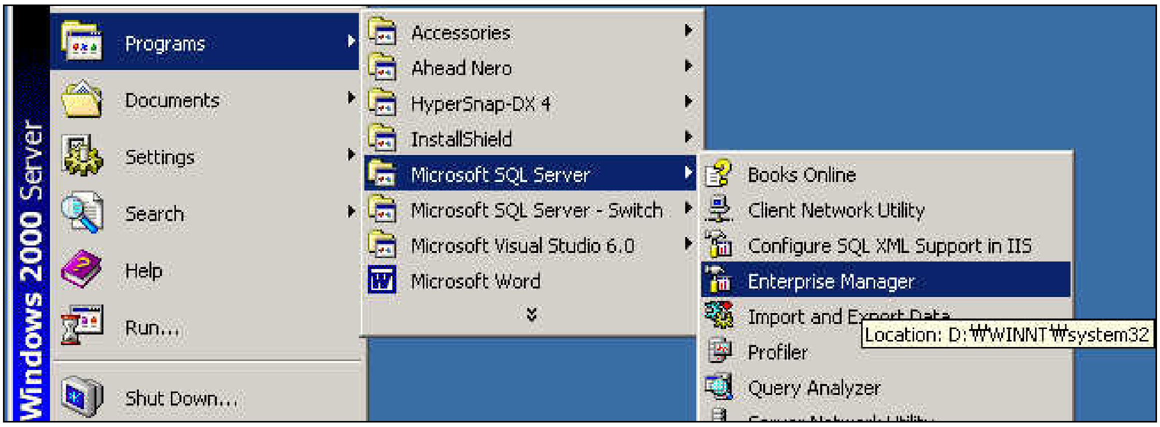


Access Control System Database Definition

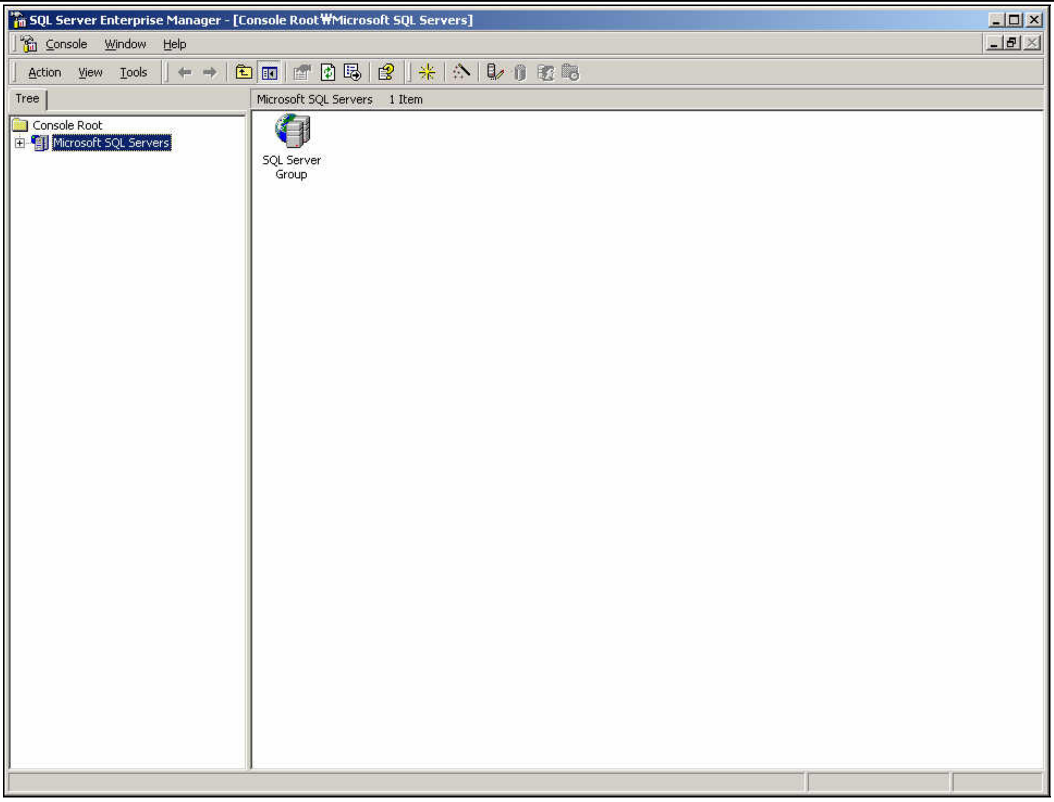
The followings are the instruction of database setup for Access Control System.
SQL Server must be installed prior to the following process.

I

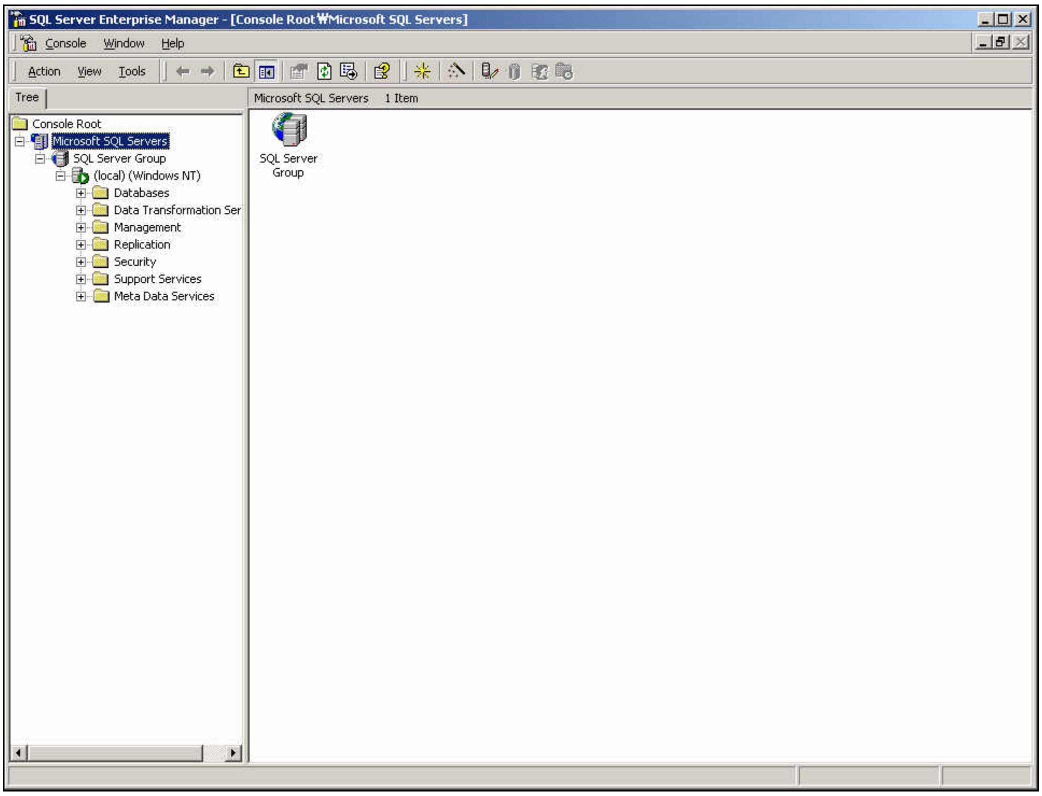
1. Open Enterprise Manager of SQL Server.
   Location : START->Programs->Microsoft SQL Server->Enterprise Manager



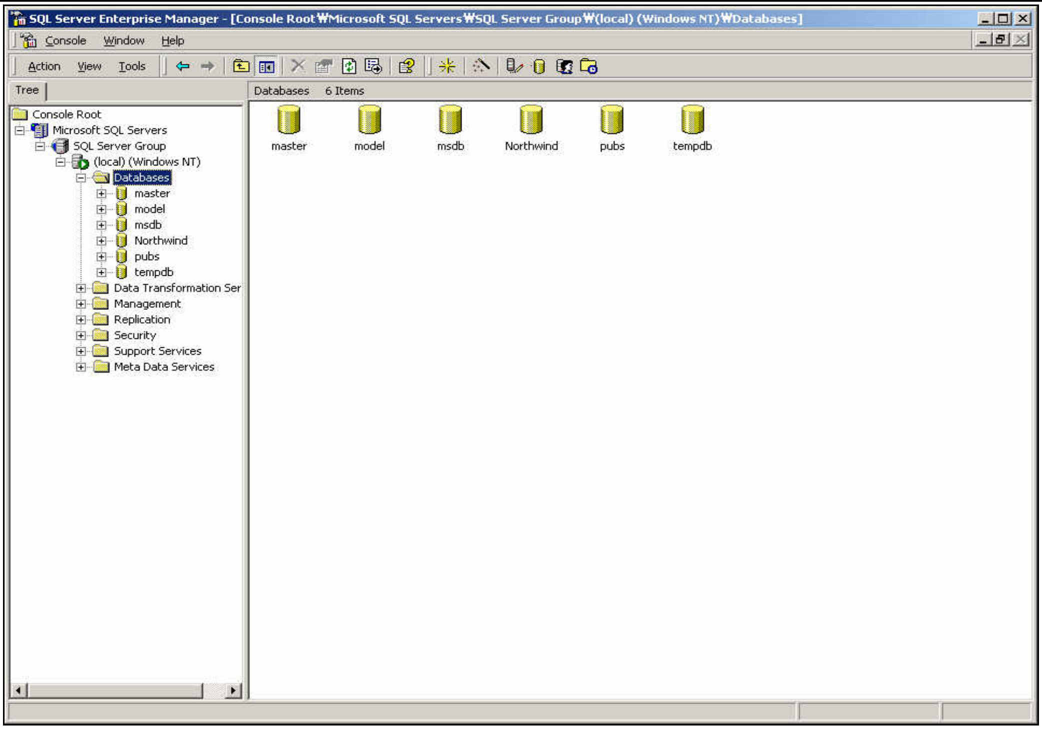
2. Enterprise Manager shows the following screen.



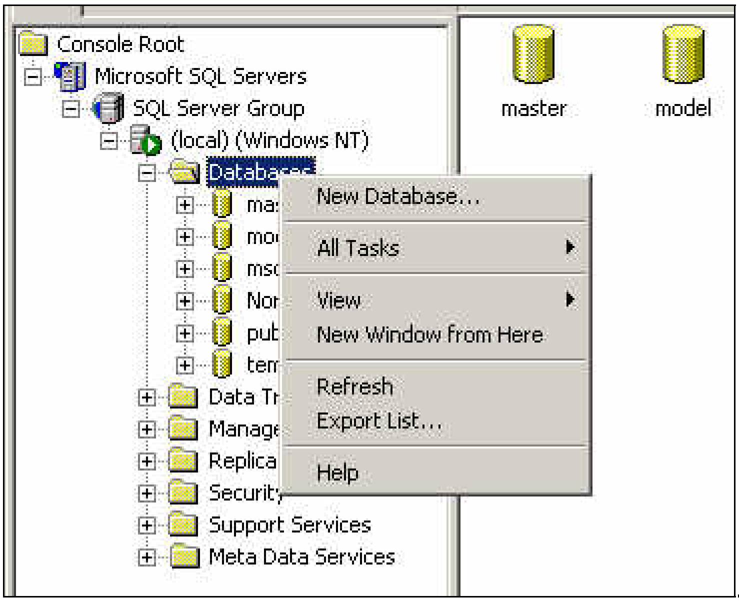
3. Click Micorosoft SQL Servers and select SQL Server installed.



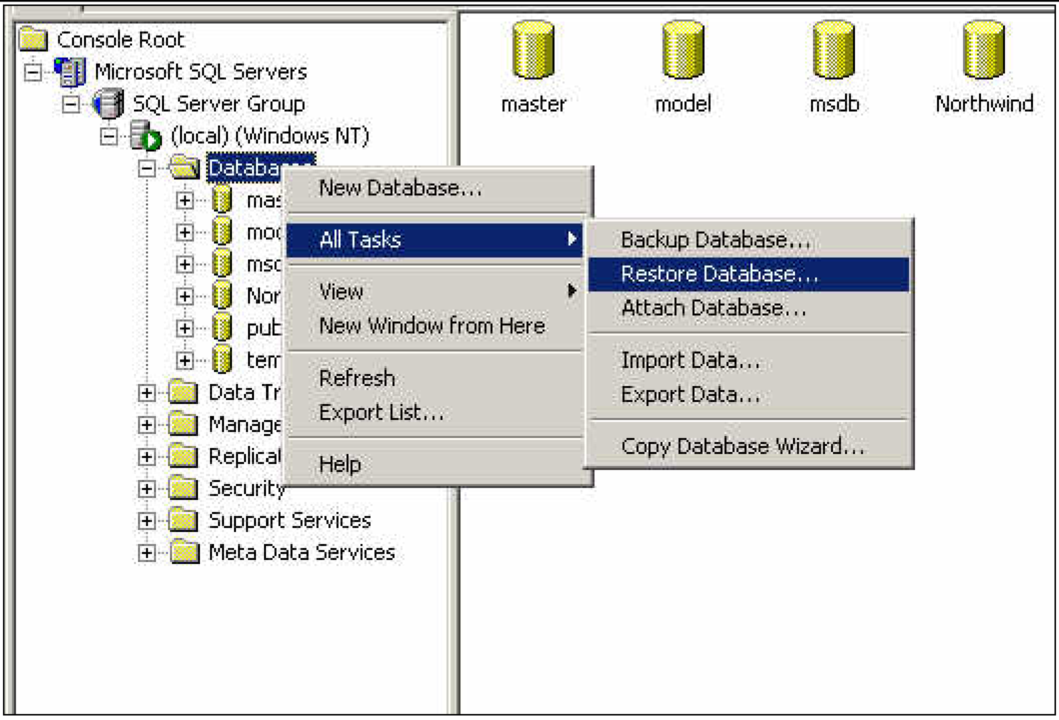
4. Click Databases then it shows basic data bases installed.
Here the database of STARWATCH DUAL PRO II is to be set.



5. From Databases, click right mouse key or click ‘**Action**’, then it shows menu as below .

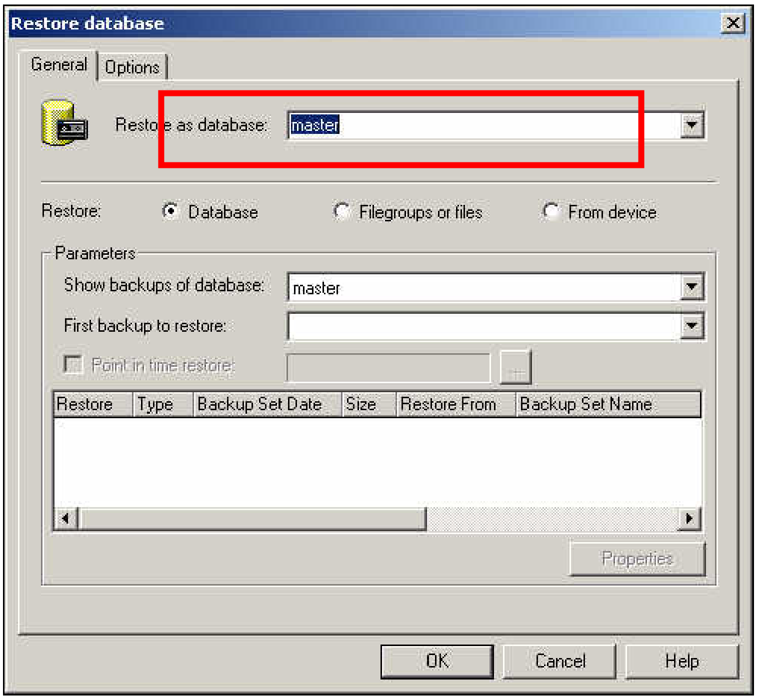


6. Choose ‘**All Tasks**’ then ‘**Restore Database**’ to open it.

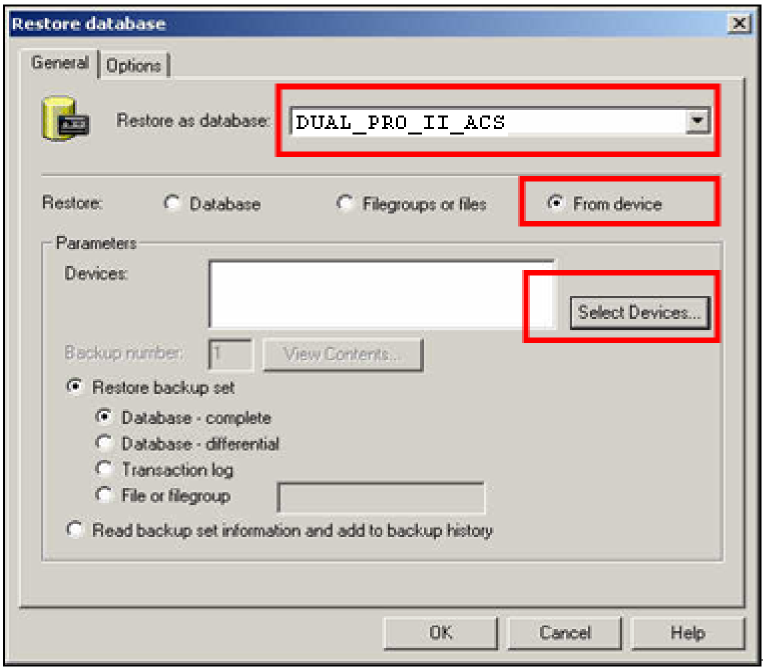


DUAL_PRO_II_ACS Database Setup

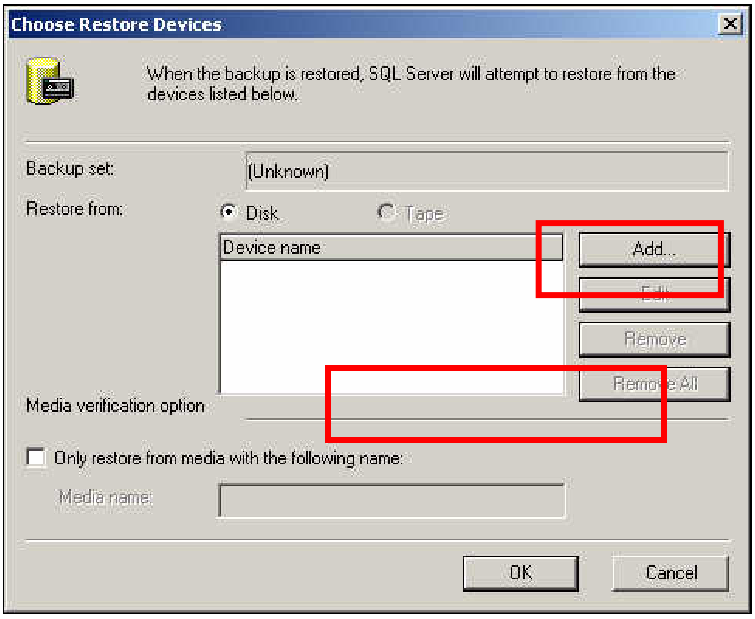
1. It shows the following screen when you open Restore Database.
   '**Restore as databases**' is to be '**master**'.



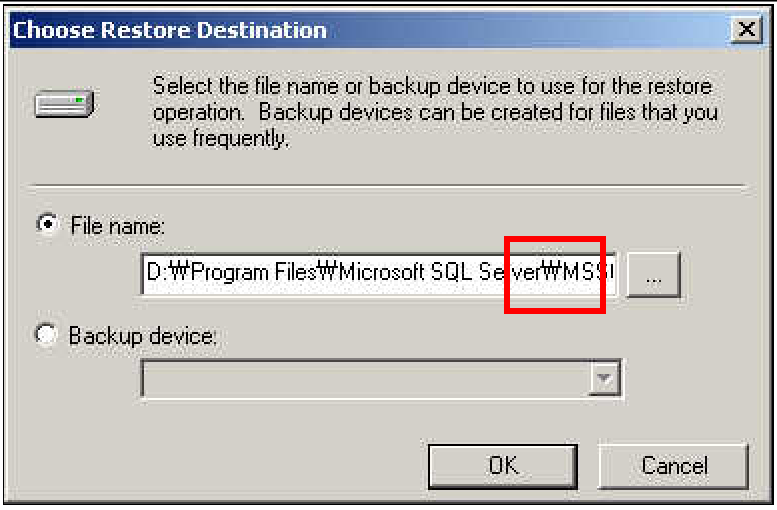
2. Delete 'master' in '**Restore as databases**' delete 'master'
   And type in '**DUAL_PRO_II_ACS**' as below.
   Select '**From Device**' in Restore. Click **Select Devices** button.



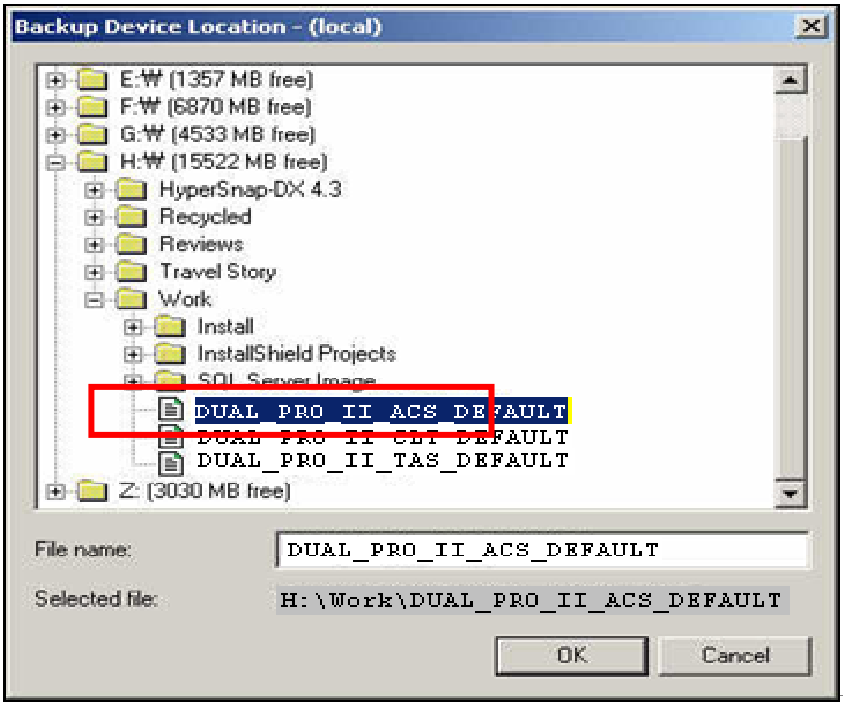
3. It shows the following screen.
   Click **Add** button and find data base file of DUAL_PRO_II_ACS.



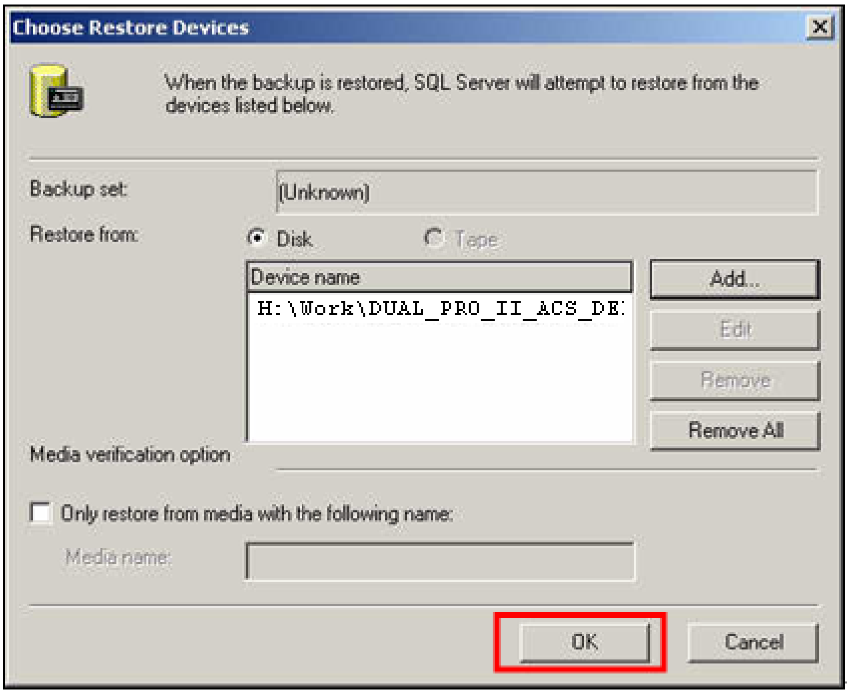
4. Clicking "Add" button brings the following window.
   Click '**…**' button to find the file.



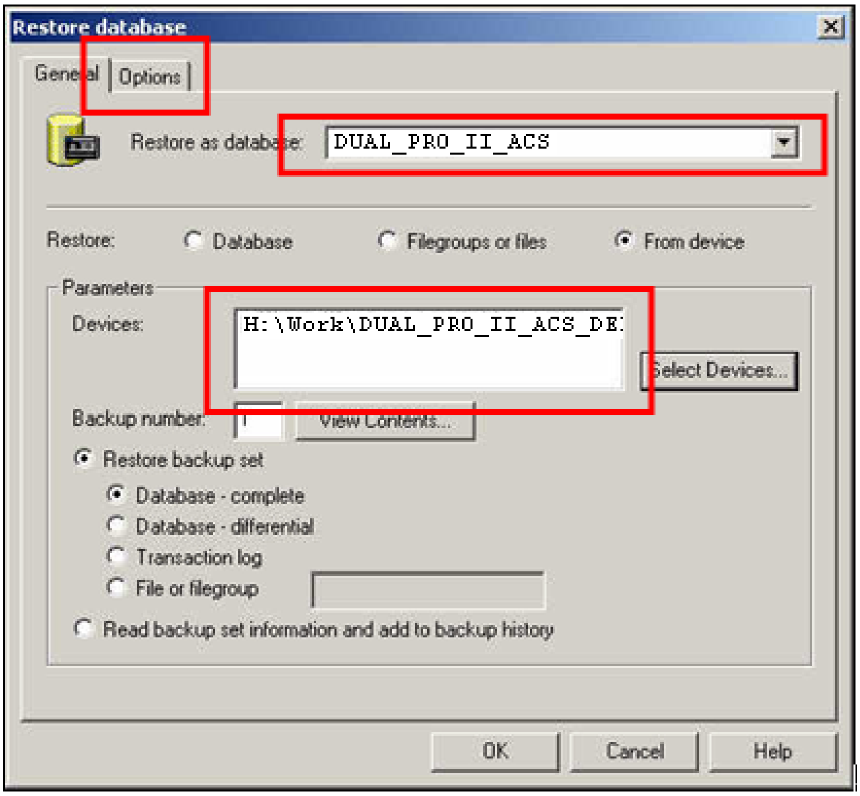
5. Find DUAL_PRO_II_ACS database file and click ok.
   <u>The file will be in the CD of the Starwatch DUAL Pro II distributed by IDTECK.</u>



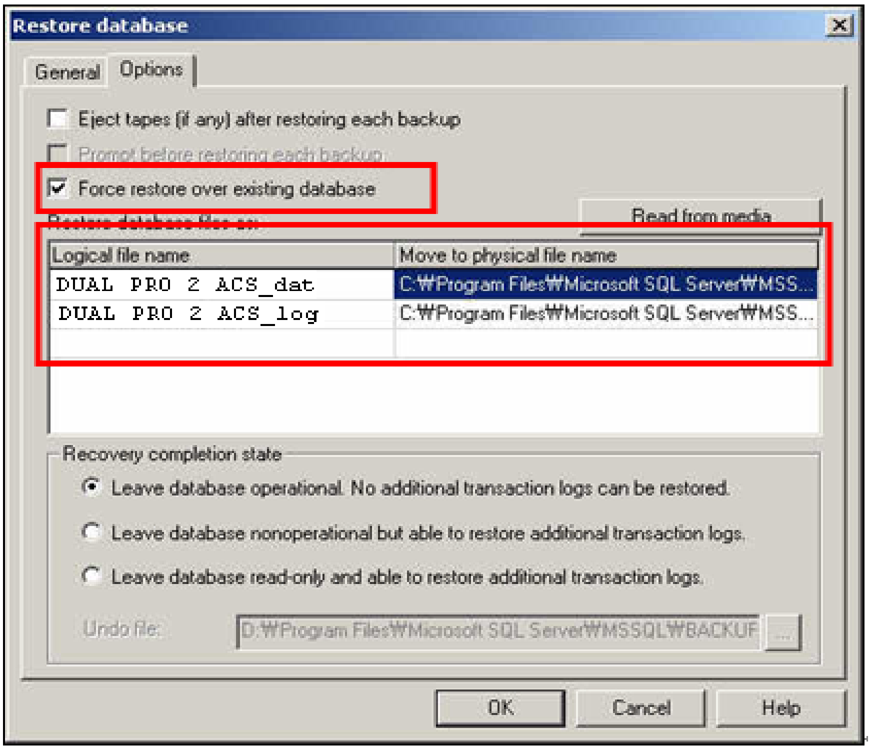
6. If select Database file, it will display the location of the file. Click OK.
   (The location will be different from the one shown below.)



7. From the database info of the file, it will create its own DUAL Pro II ACS. Click "Option"

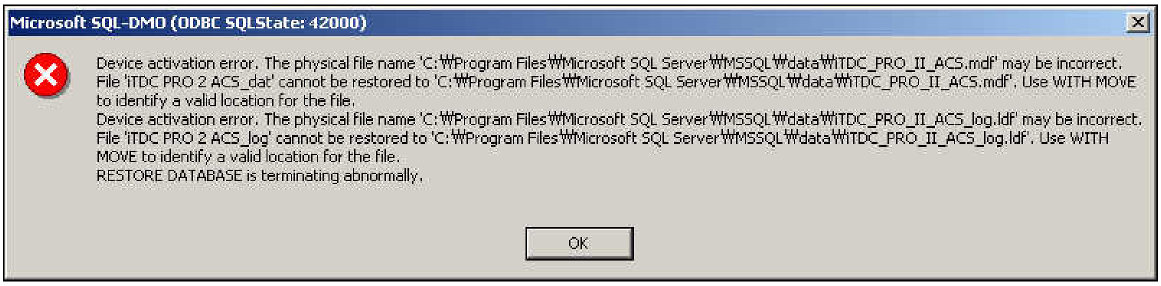


8. Select '**Force restore over existing database'**. The location below is of database to be installed.

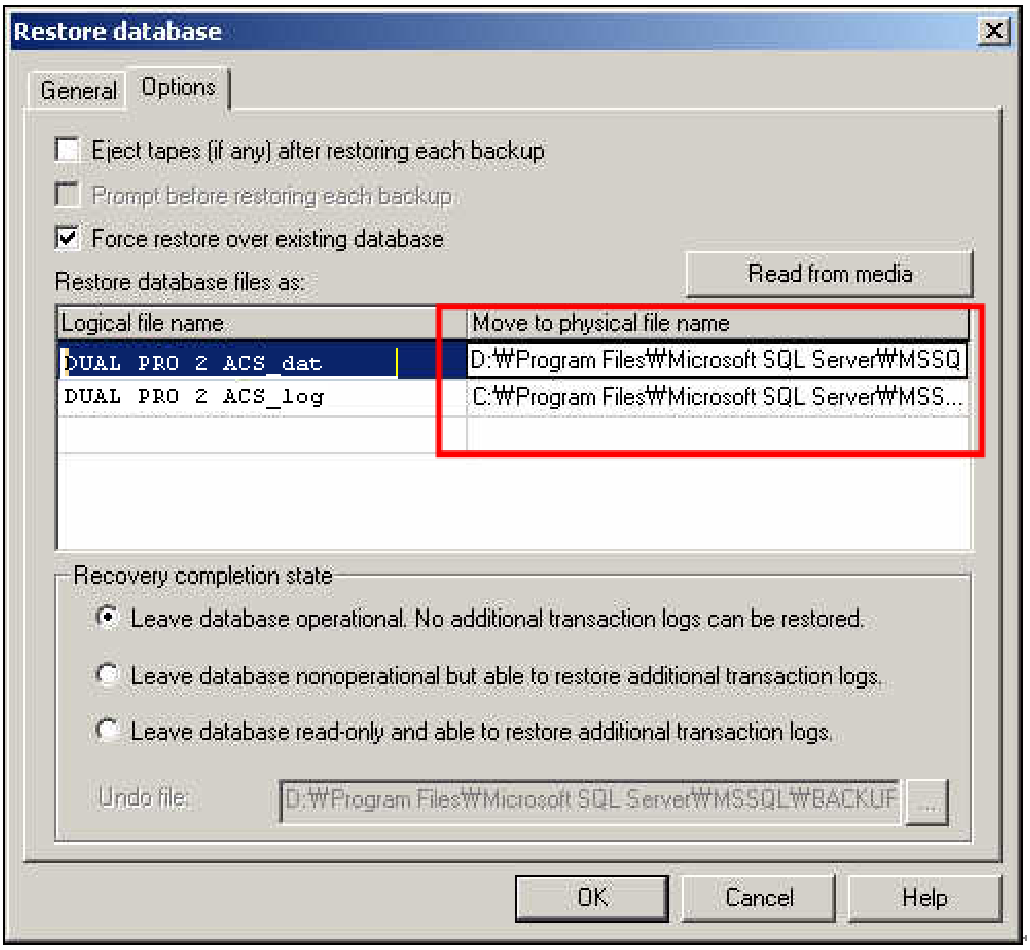


9. If it shows the following error message, change the location of file to be installed referring 10. If it does not, go to 11

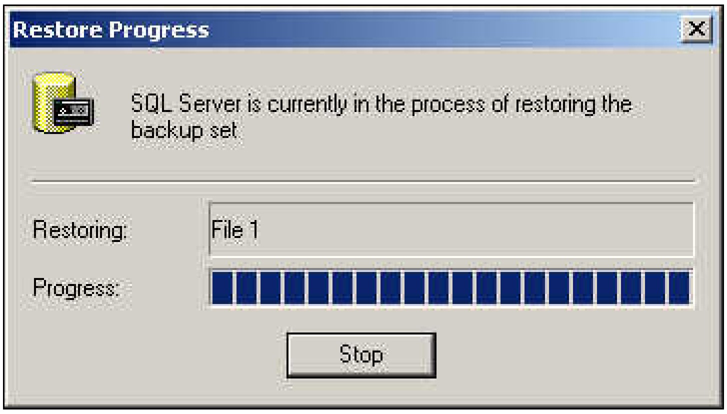
.



10. The error shown in 9, occurs the location of database installed is not proper.
    In this case, set its location as the folder where SQL Server is installed. DUAL PRO 2 ACS_log



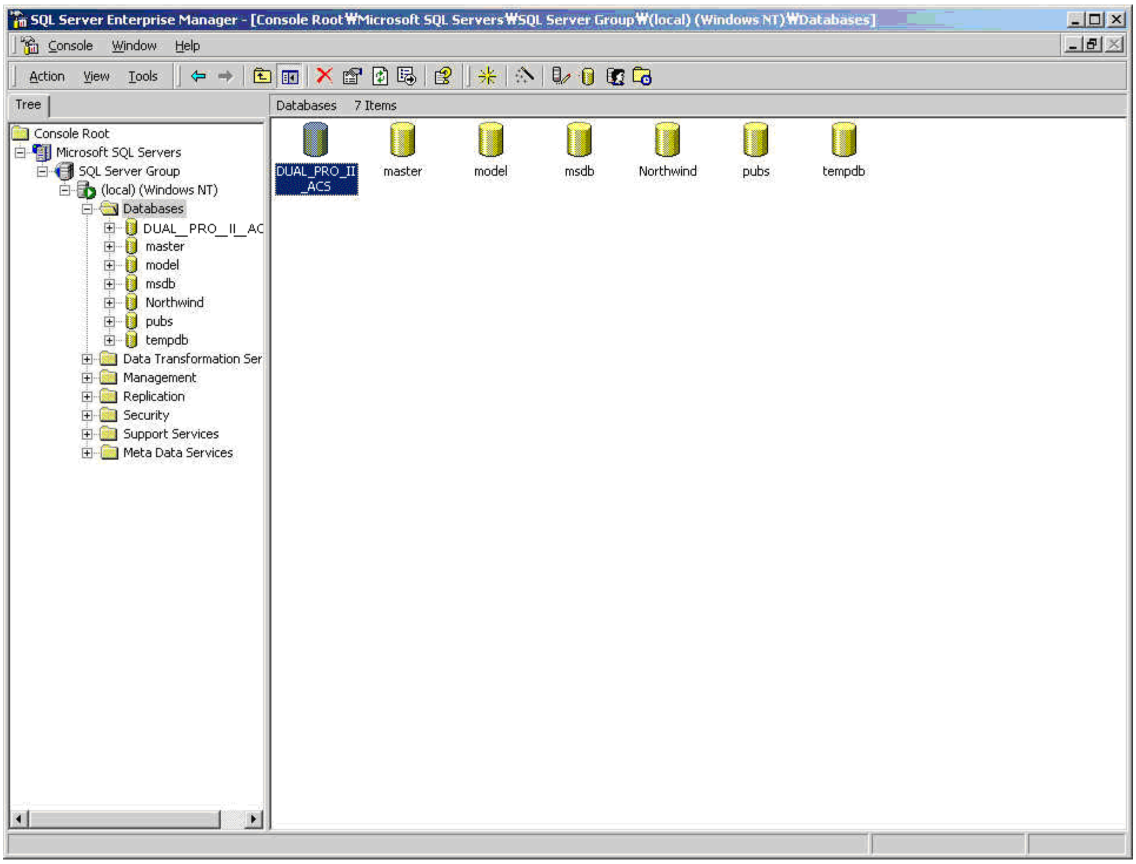
11. If finished the above process click OK button then it shows the following window.



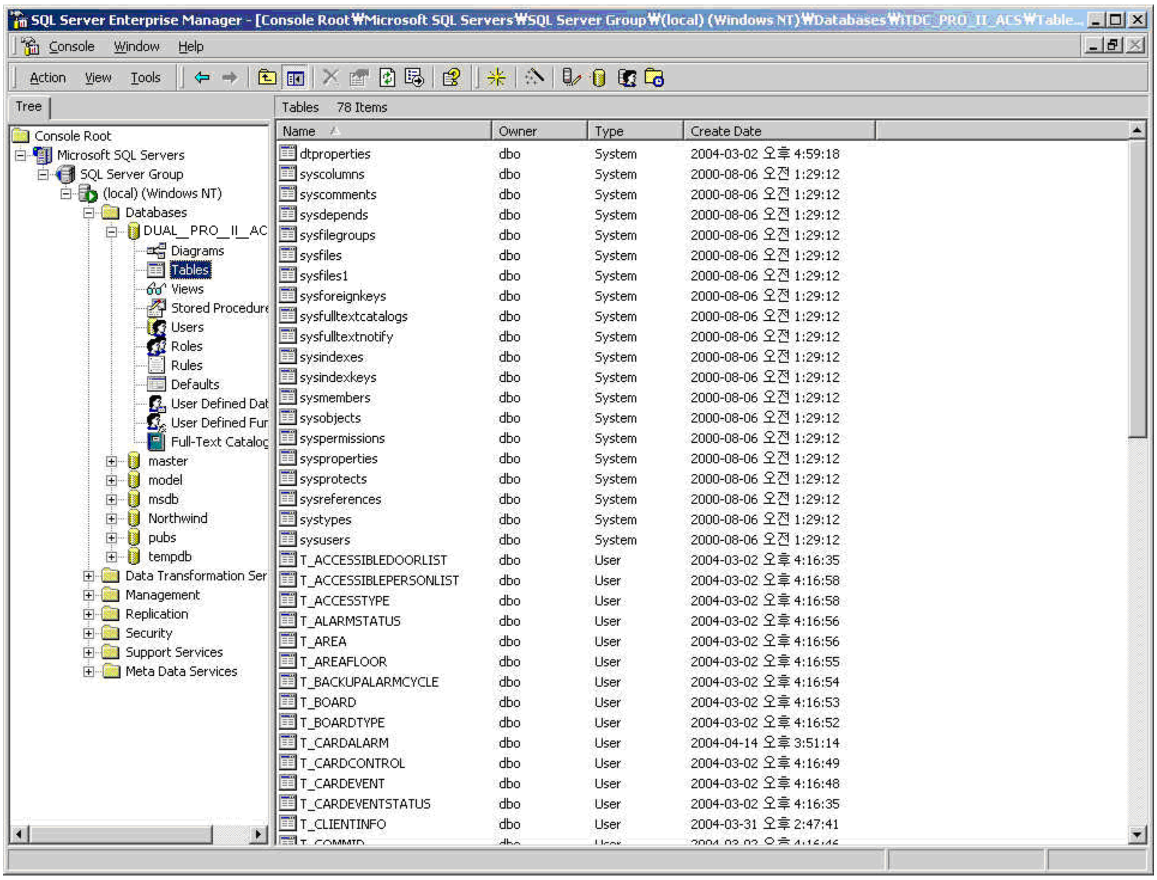
12. Now, the database creation of DUAL_PRO_II_ACS is completed.



13. Check the database created in Enterprise Manager.



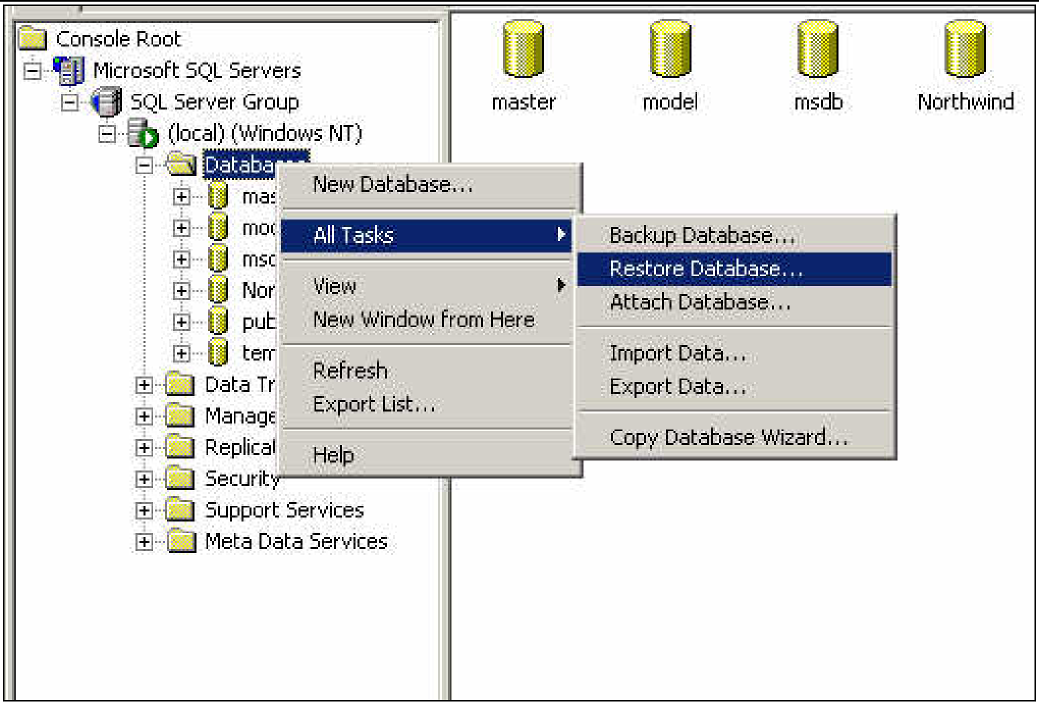
14. If the database creation process is completed properly, it shows access control data tables as blow.



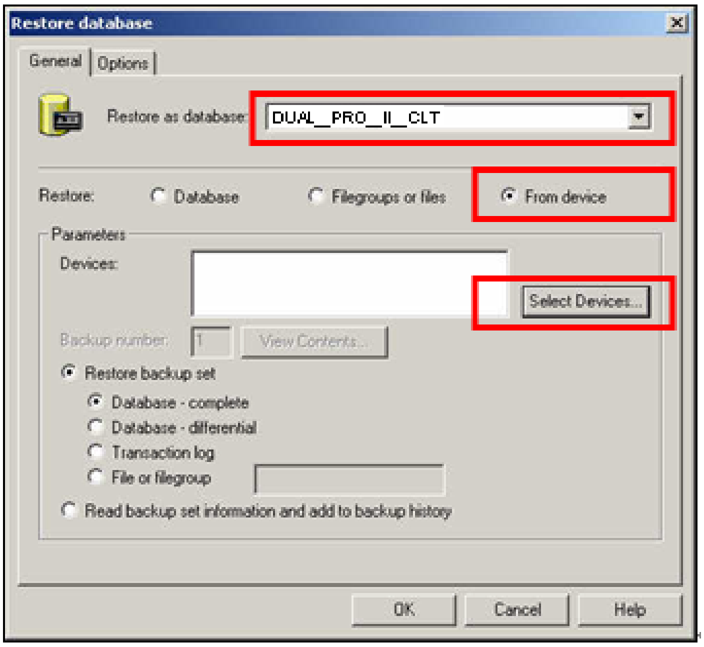
DUAL_PRO_II_CLT DATABASE SETUP

The structure of DUAL_PRO_II_CLT database is similar with DUAL_PRO_II_ACS.

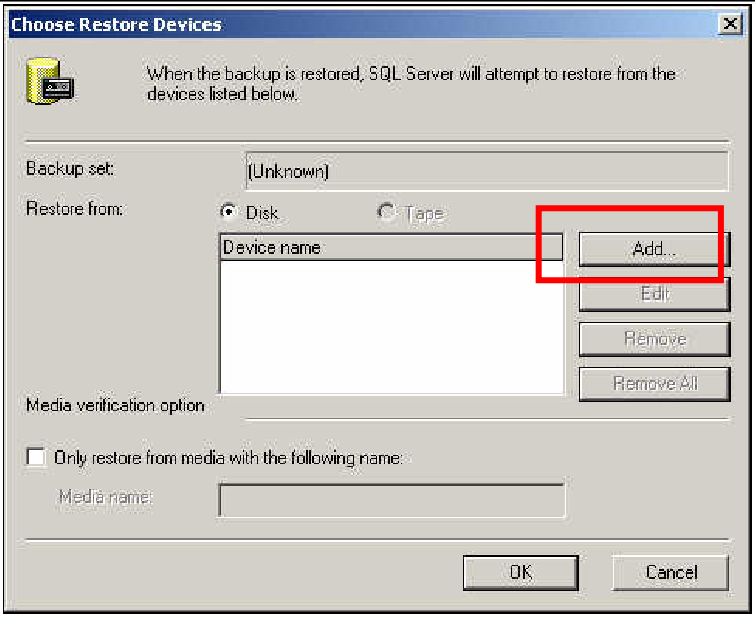
1. Select '**All Tasks**' from menu and click '**Restore Database**'



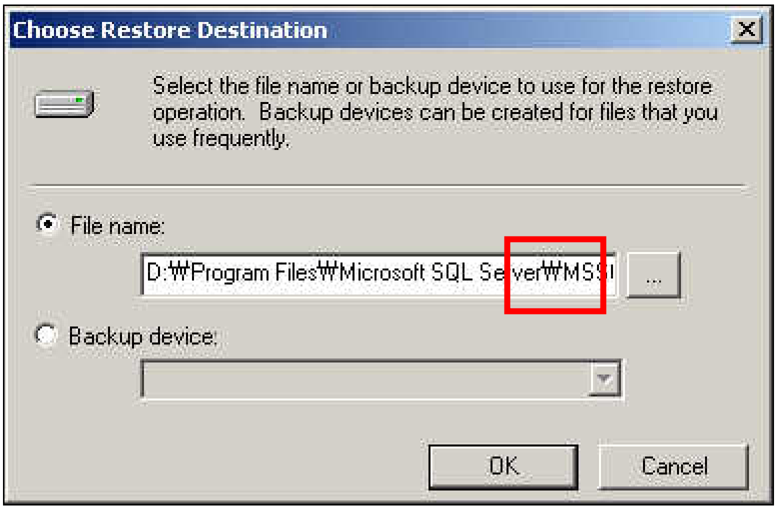
2. Delete 'master' from '**Restore as databases**'.
   After delete, enter '**DUAL_PRO_II_CLT**' as shown below.
   Select '**From Device**' from restore part.
   Click **Select Devices**.



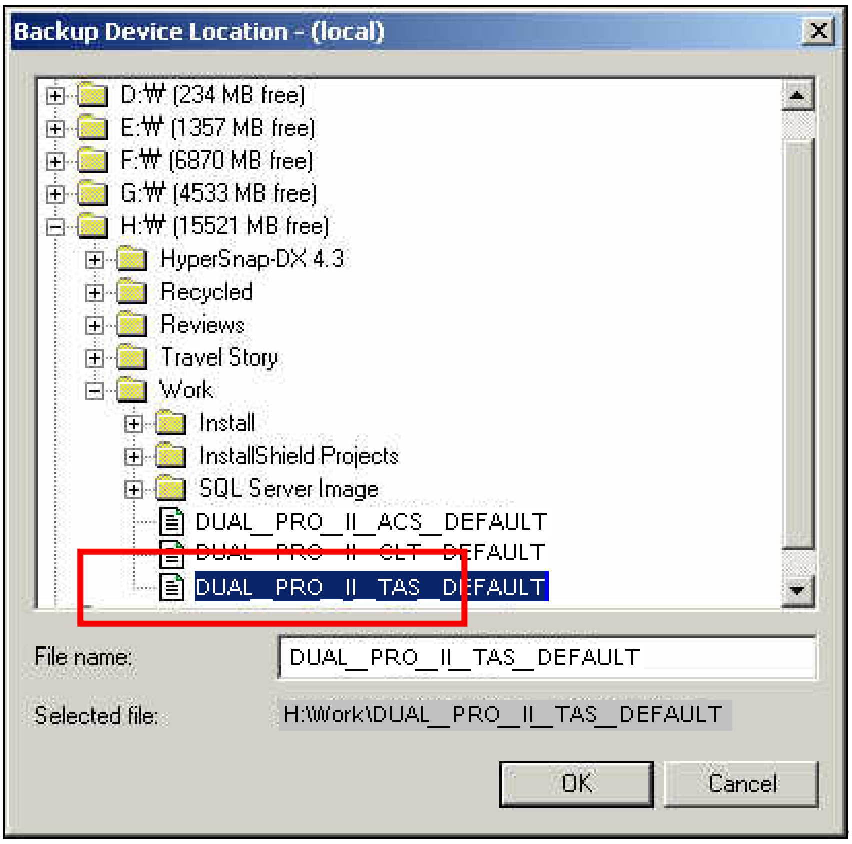
3. Below screen is shown after clicking 'Select Devices'.
   click **Add** to find file which contains DUAL_PRO_II_ACS.



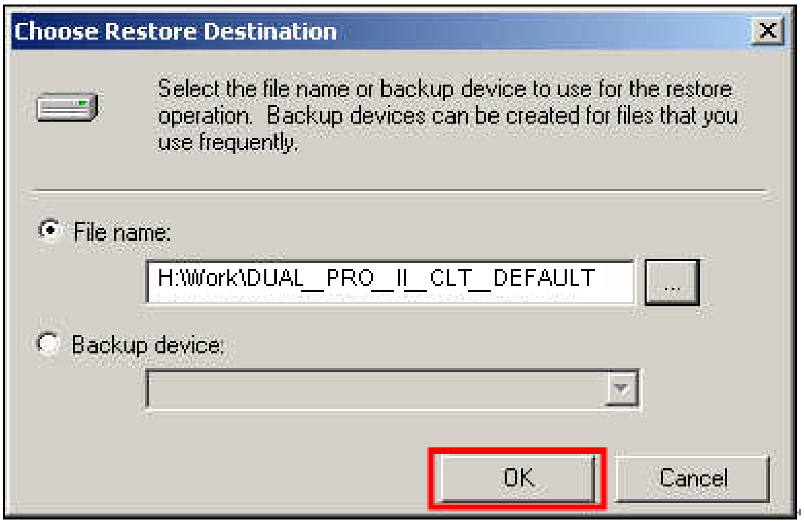
4. Click add to see screen below.
   Click '…' button find file.



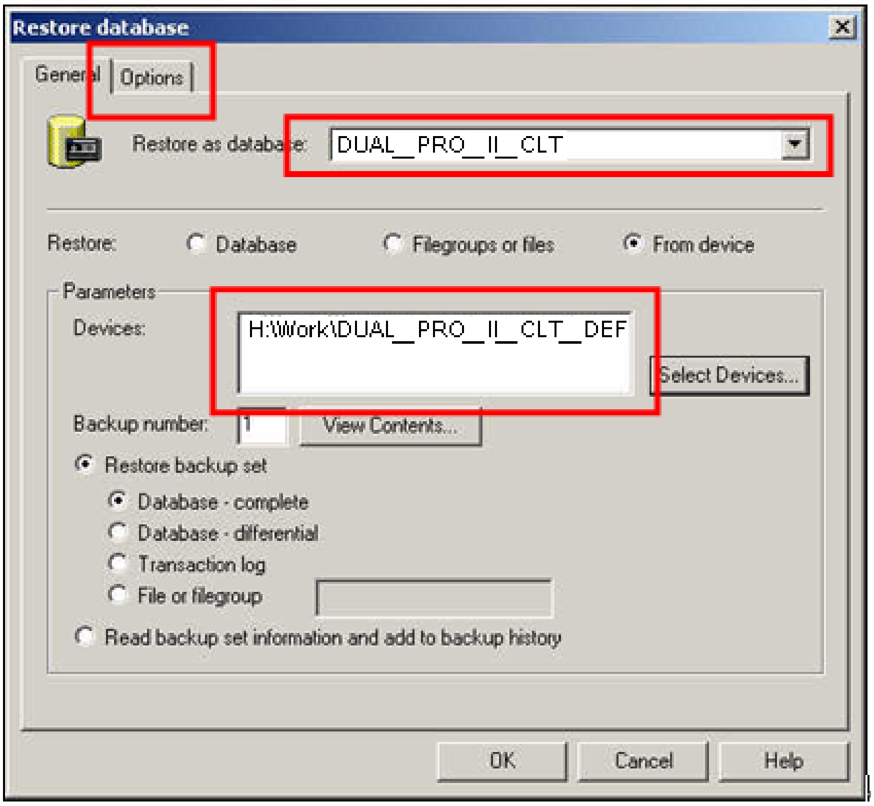
5. Find DUAL_PRO_II_CLT date base file.
   Following files are included in CD and click ok after finding the file.



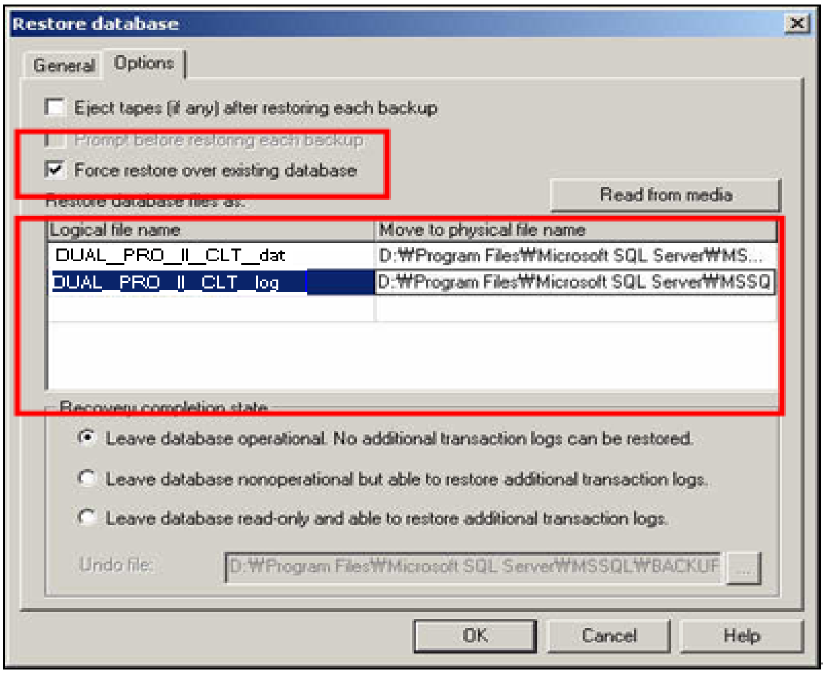
6. Location will be indicated after database file is selected. Click OK.
   Real location may be different with shown below.



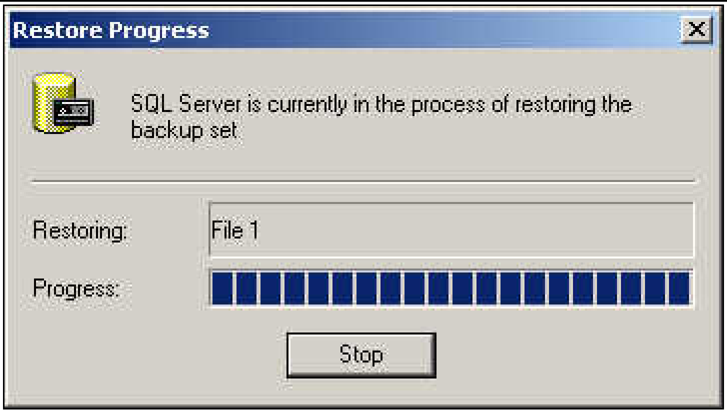
7. User can create database by importing file at **DUAL_PRO_II_ACS**. Select Option



8. Select '**Force restore over existing database'**.
   The location below shows where database is installed.



9. Clik OK and the picture below is shown.

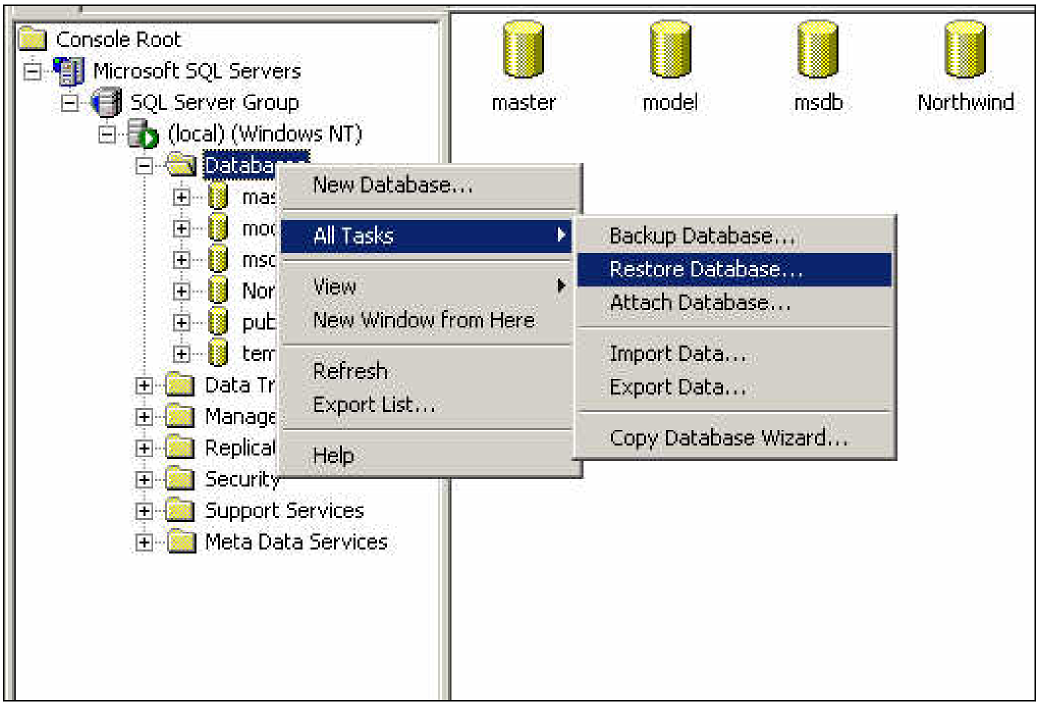


10. Database for DUAL_PRO_II_CLT is created.

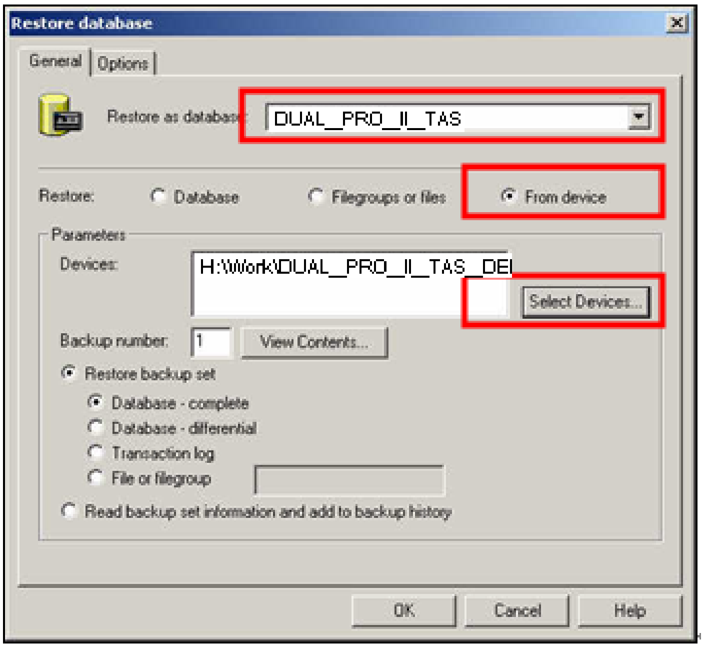
DUAL_PRO_II_TAS DATABASE SETUP

The structure of DUAL_PRO_II_TAS database is similar with DUAL_PRO_II_CLT

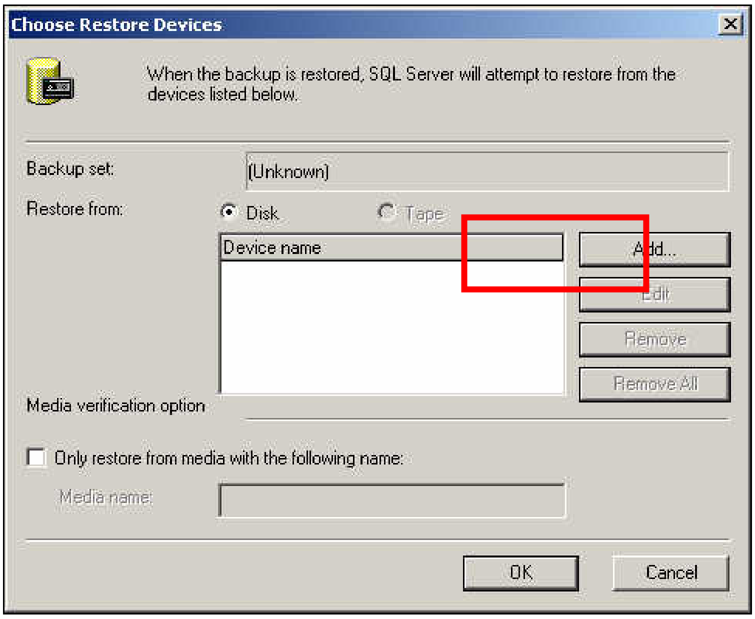
1. Select '**All Tasks**' from menu and click '**Restore Database'**.



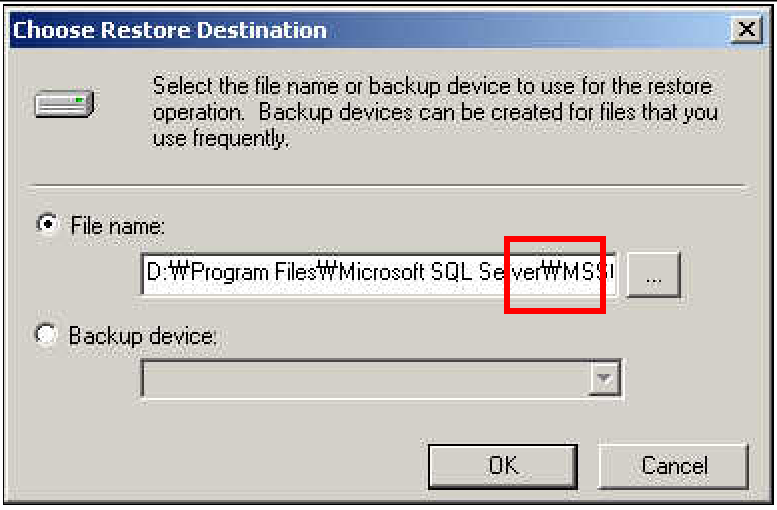
2. Delete 'master' from '**Restore as databases**'**Restore as databases**'
   After delete, enter '**DUAL_PRO_II_TAS**' as shown below.
   Select '**From Device**' from restore part.
   Click **Select Devices**



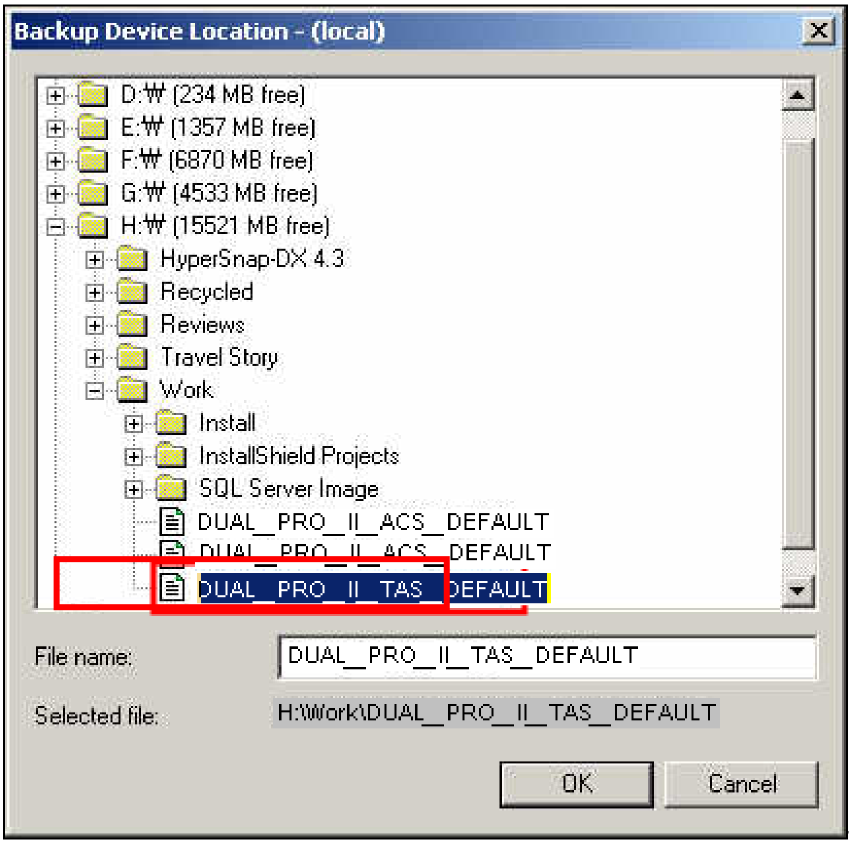
3. Below screen is shown after clicking 'Select Devices'.
   click **Add** to find file which contains DUAL_PRO_II_TAS.



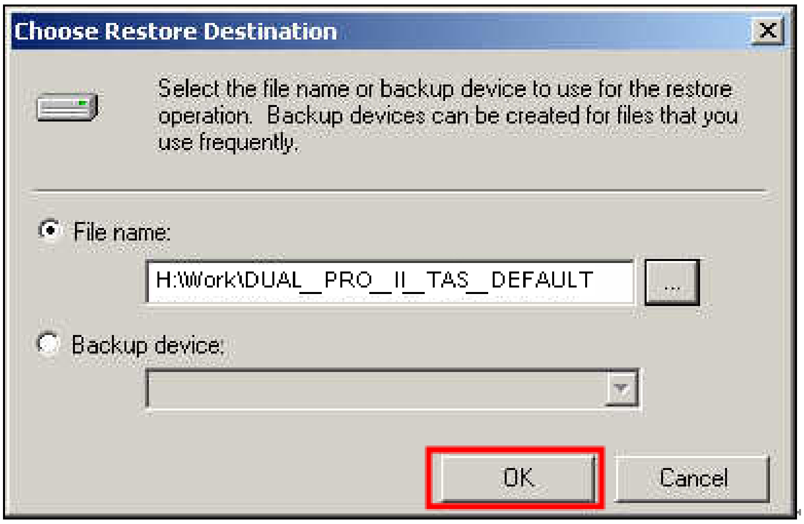
4. Click add to see screen below.
   Click '**…**' button find file.



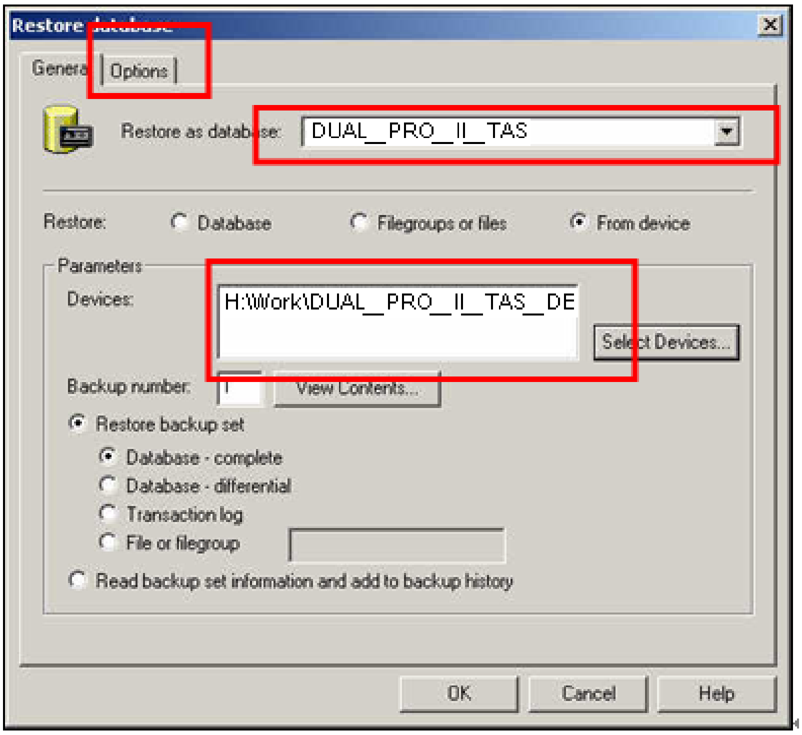
5. DUAL_ Find DUAL_PRO_II_CLT date base file.
   Following files are included in CD and click ok after finding the file.



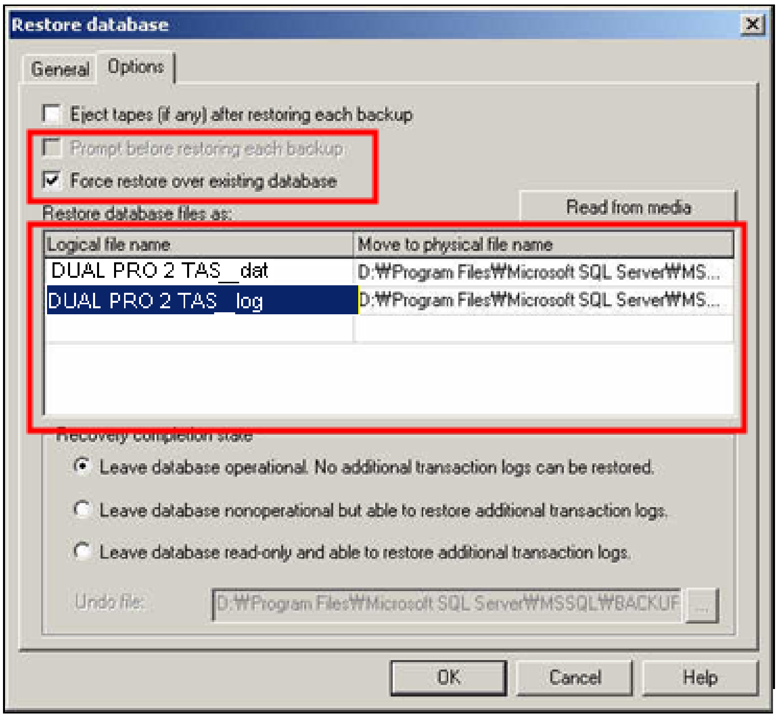
6. Location will be indicated after database file is selected. Click OK.
   Real location may be different with shown below.



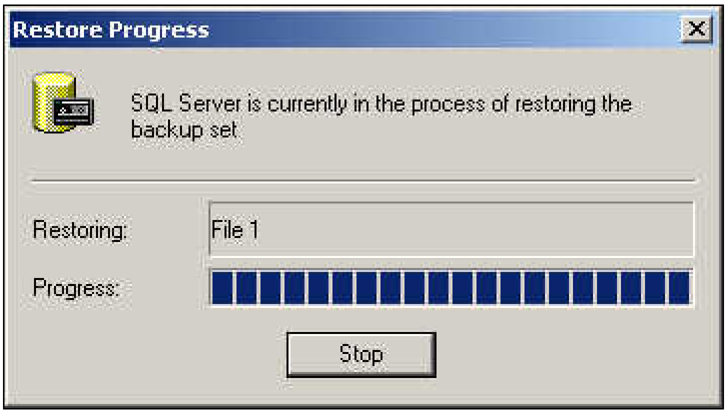
7. User can create database by importing file at **DUAL_PRO_II_TAS**. Select Option



8. Select '**Force restore over existing database'.**
   Following location shows where database is installed.

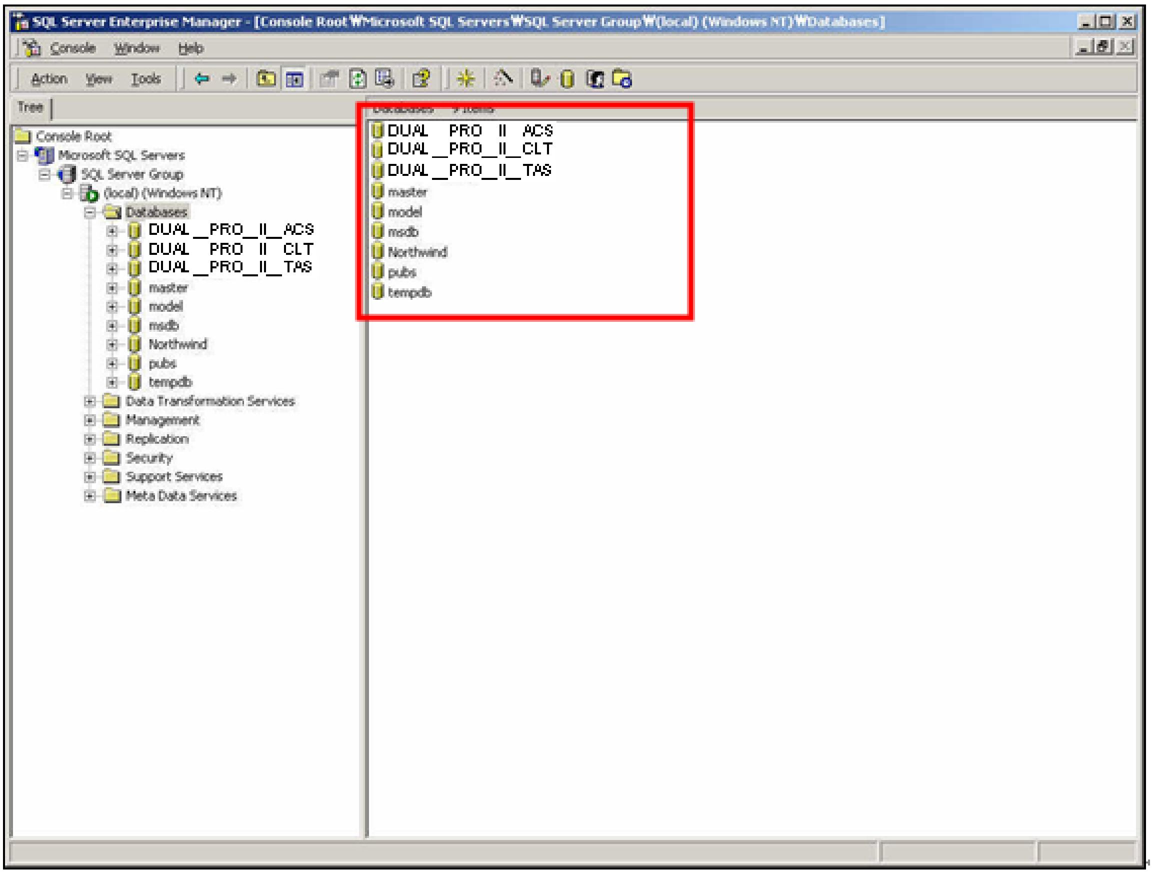


9. Click OK to finish.



10. DUAL_PRO_II_TAS database is created.

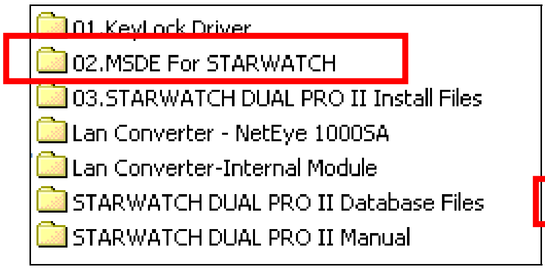
All setting for database is completed. .
Check from Enterprise Manager as shown below.

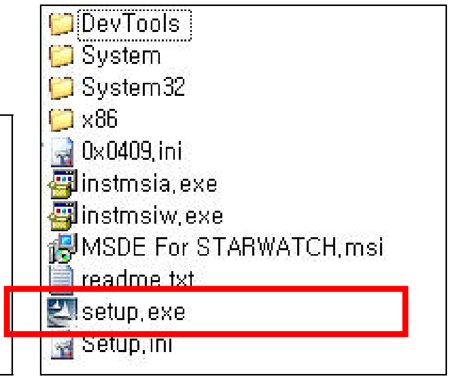


MSDE Installation

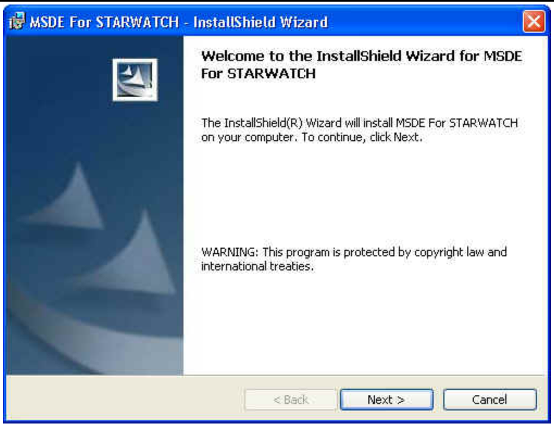
Find the MSDE install file in the STARWATCH DUAL PRO II CD of IDTECK.
Use a MSDE management freeware or other tools in order to control the data base if necessary.

1) Choose “MSDE For STARWATCH” in STARWATCH DUAL PRO II CD.
   Run “Setup.exe” file.

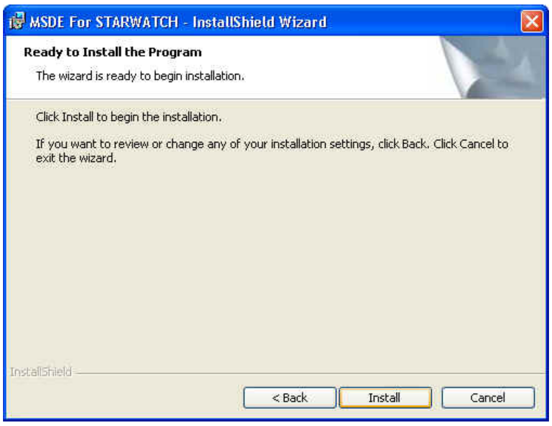




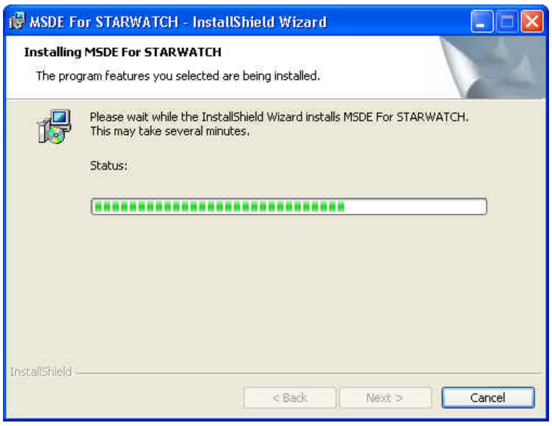
2) The window of MSDE installation will be showed as below. Click “Next” to process.



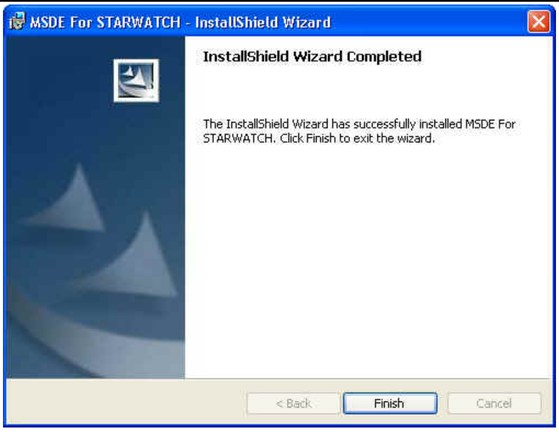
3) Click "Install" to start.



4) MSDE installation is to be processed as below. It may take some time depending on its system environment.



5) MSDE installation has completed as below.



The initial ID of MSDE is 'sa' and there is no initial password.

ID and password will be asked during the data base connection to STARWATCH DUAL PRO II.

Database Definition (MSDE) – Manual Setting

MSDE Manager (Vale Software) Briefing

MSDE installation could cause difficulty in database setup and operation because there is no manager tool. In this case you can purchase or download manager tool by internet. In here we will introduce MSDE Manger program briefly which is developed and sold in Vale Software.

MSDE Manager Program makes it easier to operate MSDE. Also below functions are available by using this program.

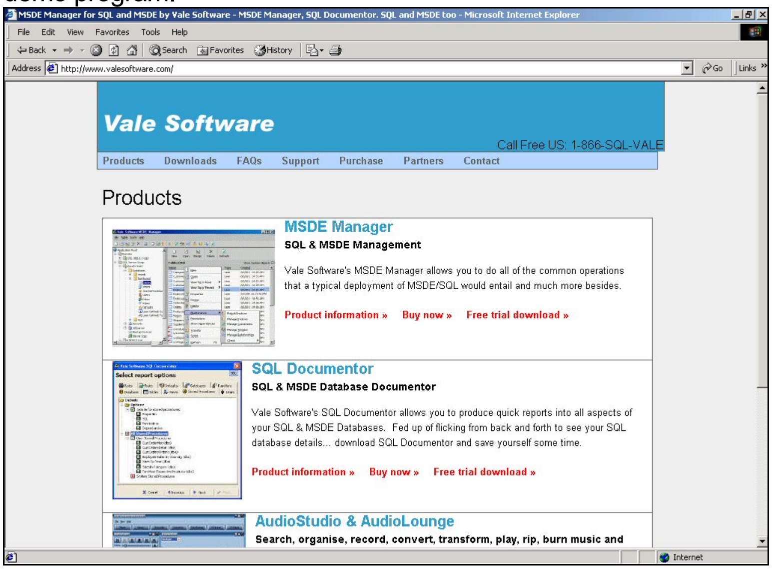
- Add/Edit/Delete databases / tables / views / roles / rules / stored procedure
- Complete Table designer to add/edit/delete/cut/copy/paste columns
- Set primary keys / triggers / indexes / constraints
- Change server properties (e.g. authentication mode etc.)
- Change column properties.
- View/Edit/Export data in the data management section.
- Execute DTS packages.
- Create and Schedule jobs.
- Backup & Restore Databases.
- Attach, Detach and Shrink databases.
- Complete Full TSQL module with quick select function list/color coded TSQL.
- Relationships management screen for foreign keys etc.
- Transfer database wizard to transfer form server to server.
- Much more....

How to download MSDE Manager (Vale Software)

You can download demo program in Vale Software homepage. Home page address is like below.

C

And by clicking **Free trial download** item in MSDE Manager item, it is possible to download demo program.

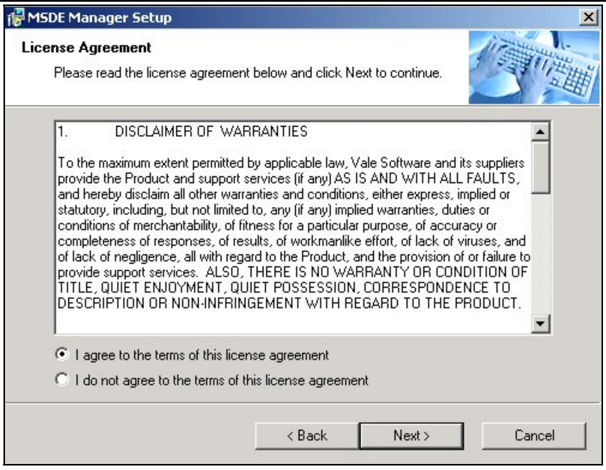


How to install MSDE Manager (Vale Software)

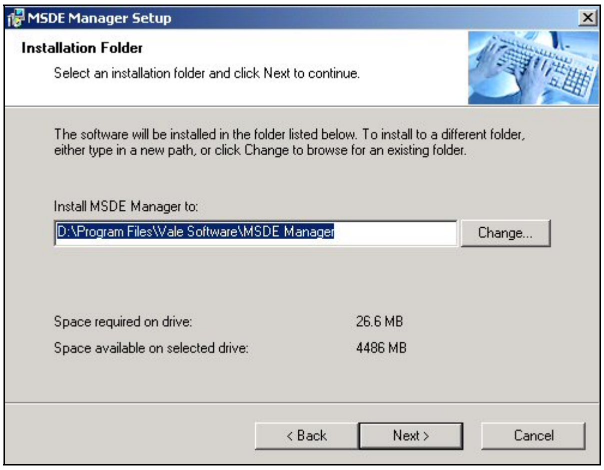
1) Please double click msdemanager.exe.



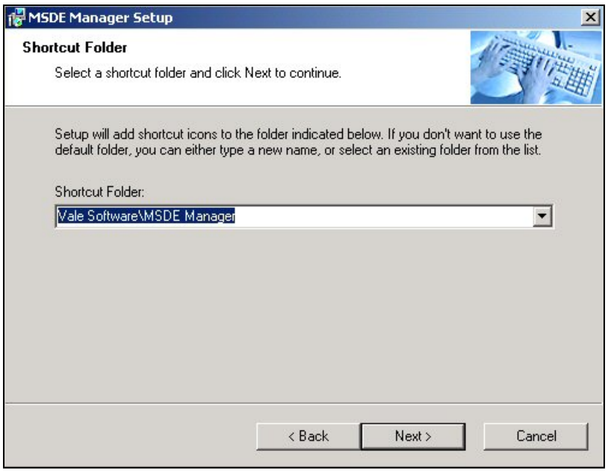
2) Please agree to the license and click Next button.



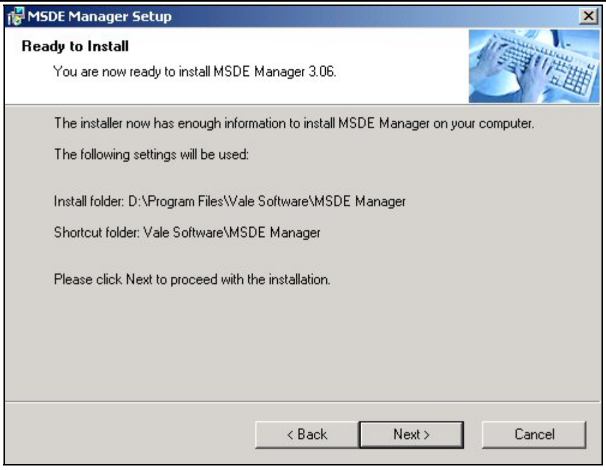
3) Please select setup path and click Next button. We recommend you to install to the default setup path.



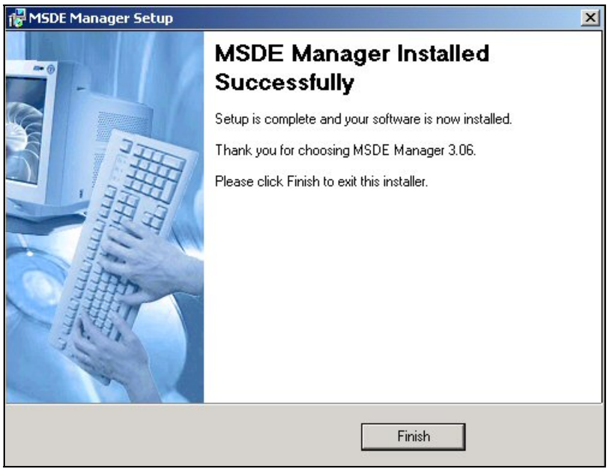
4) Please set shortcut folder and click Next button. We recommend the default shortcut folder.



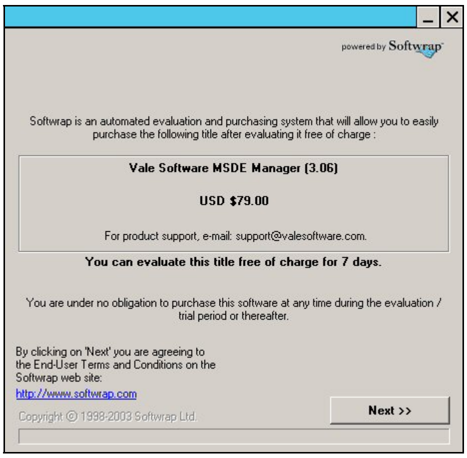
5) By clicking Next button, Installation process begins.



6) After all setup process is completed, please click finish button to finish setup process.



7) After setup, license information like below is displayed. Please click Next button.



8) Please click Try Now button to start program.

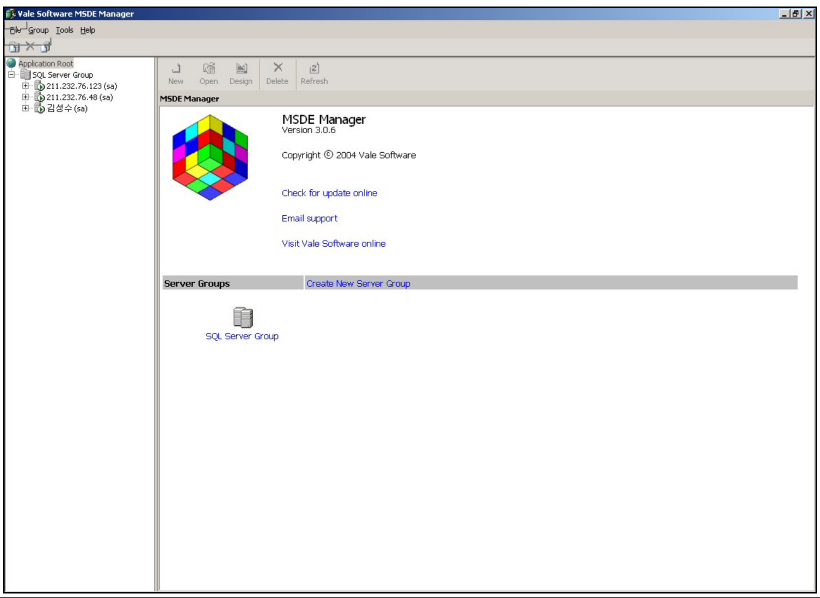


MSDE Manager (Vale Software) License Information.

This software can be downloaded only by Internet, and if you want to purchase full license you need to pay $79(USD). But for 7 days after fist installing program, it is possible to use all functions with no restriction. You can purchase program after using program free.

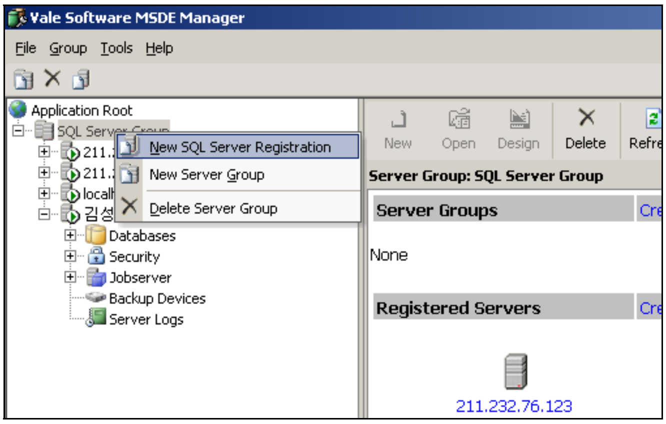
SQL Server Registration

Program main window is composed like below. Connection available database servers are displayed in the left side of screen.



Please register like below when there is no other connection available database server.

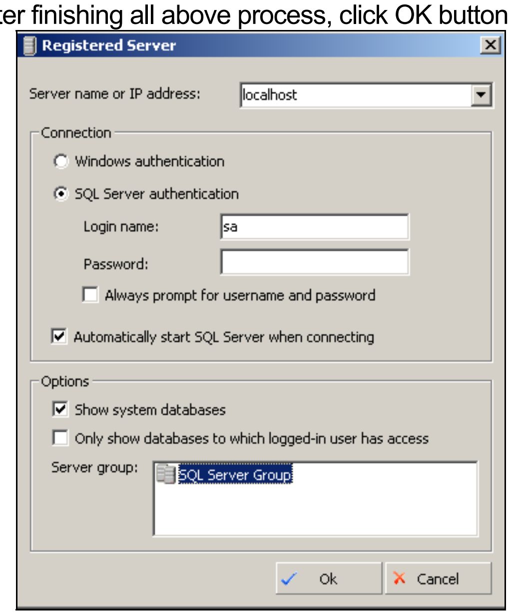
1) Please click right mouse button in SQL Server Group in the left side of screen and select New SQL Server Registration.



2) Input installed computer IP in Server name or IP address, or Input localhost in MSDE Manager-installed-computer if MSDE is installed.
Input sa in Login name. Input blank or password in Password and password should be the one which was designated in installing MSDE.

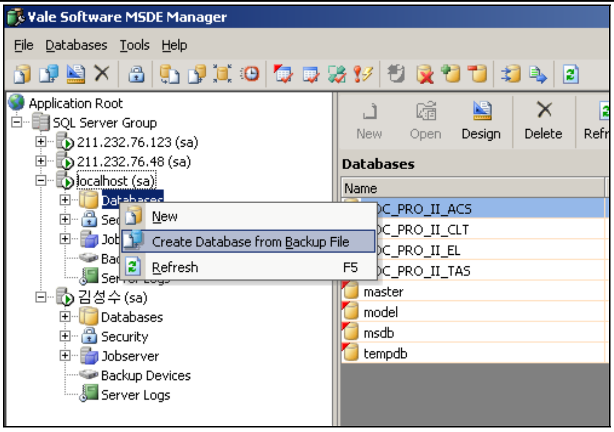
Please select Server group in SQL Server Group.

After finishing all above process, click OK button.

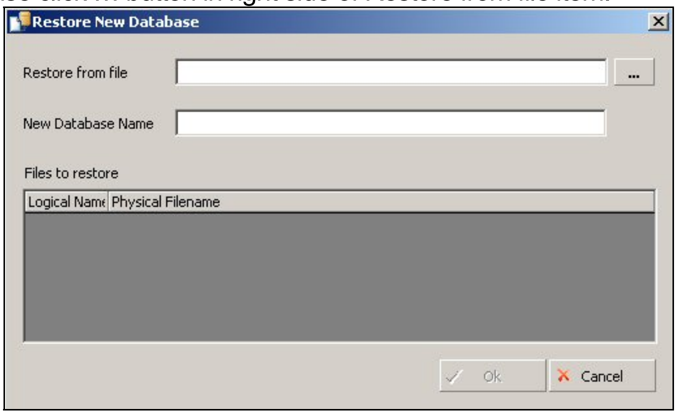


Create Database from Backup File

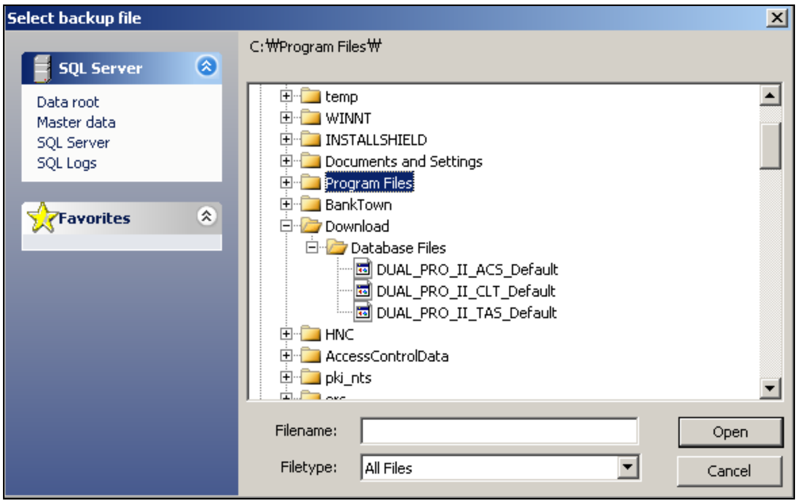
1) After selecting registered server and click right mouse button and select Create Database from Backup File.



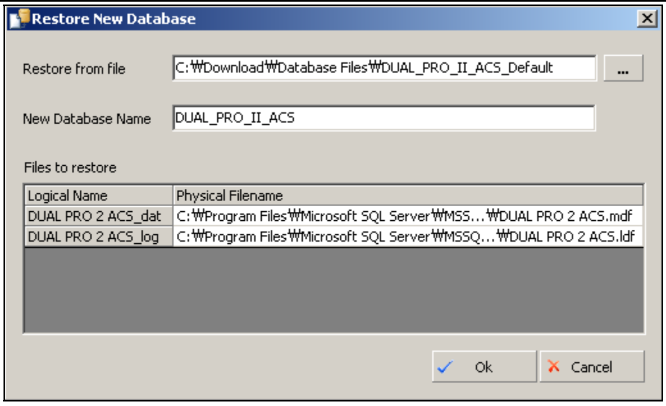
2) Please click … button in right side of Restore from file item.



3) Alter below Filetype item to All Files. Please select the path database file is saved which is in Progr am setup CD our company has provided.
Please select DUAL_PRO_II_ACS.db in database files and click Open button.



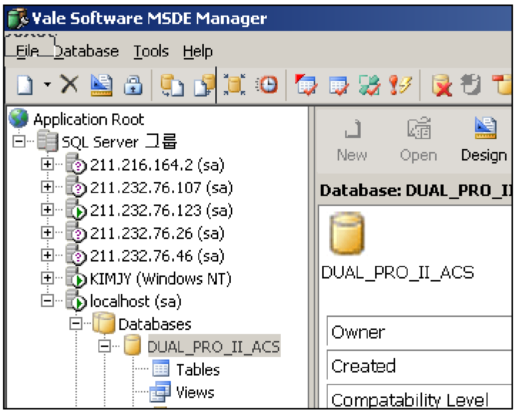
4) Selected database file information is displayed like below. Please click OK button and make database.



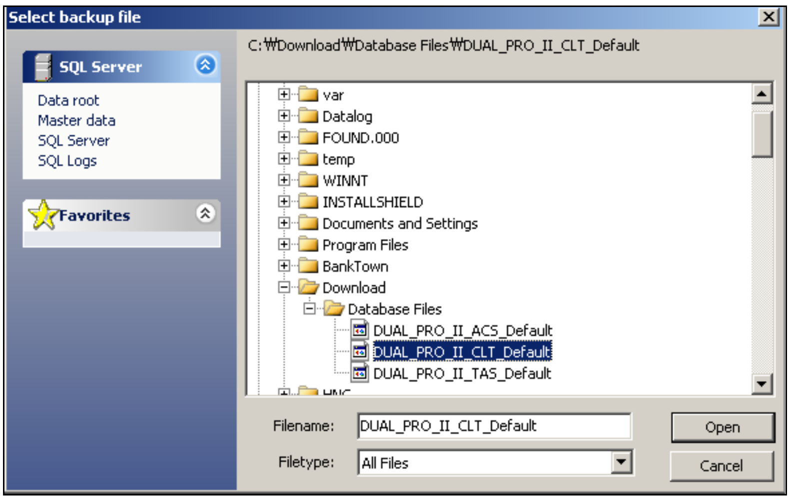
5) It shows database setup creation.



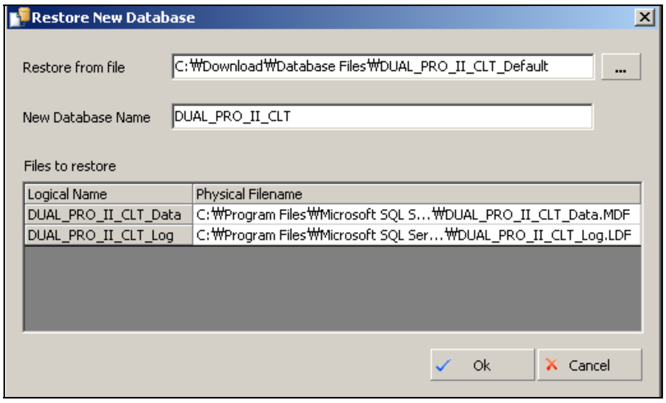
6) You can verify DUAL_PRO_II_ACS is created.



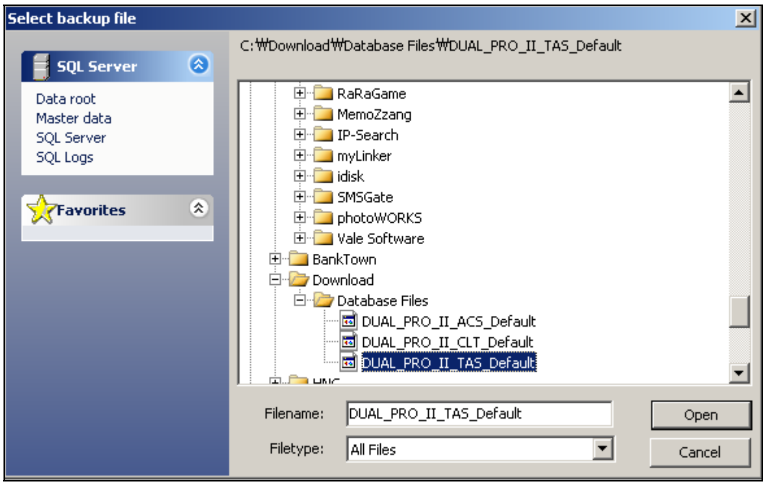
7) Same as above procedure, please create other databases. Please select DUAL_PRO_II_CLT.db. Please click Open button.



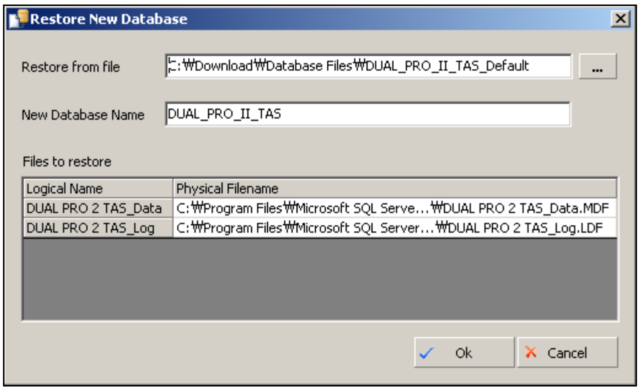
8) Please click Ok button and make a new database.



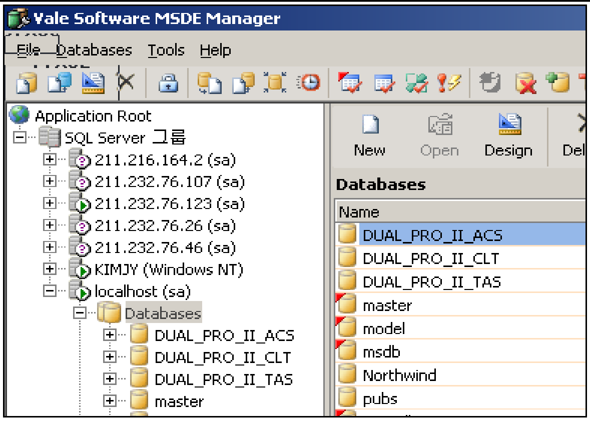
9) Please select DUAL_PRO_II_TAS.db. Click Open button.



10) Please click Ok button and make a new databse.



11) If all database creation are completed, you can verify 3 database in the left side of screen.

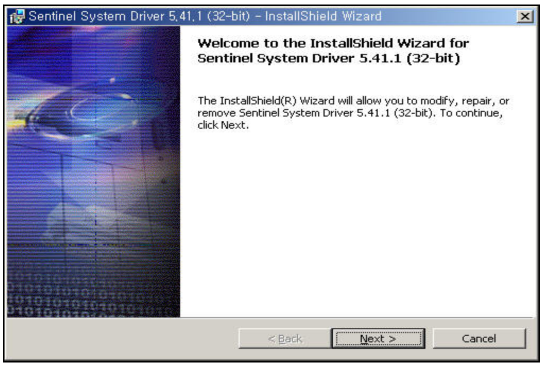


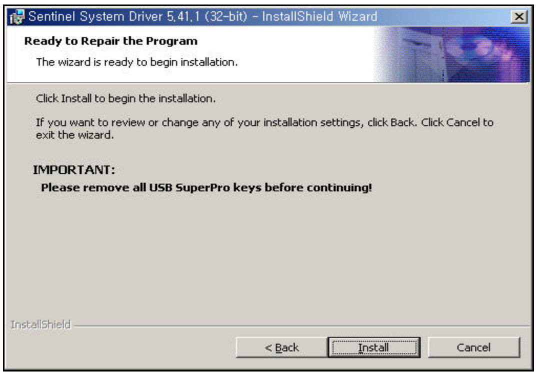
STARWATCH DUAL PRO II KEYLOCK DRIVER SETUP

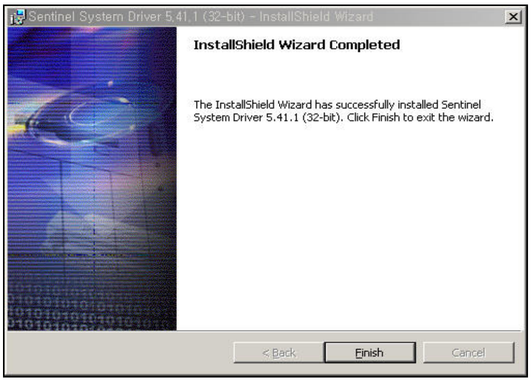
software key lock must be installed to use STARWATCH DUAL PRO II , STARWATCH DUAL PRO II CL to control.

Key Lock driver also need to be installed to identify.

1. Run SSD5411-32bit.exe which is included in CD.
   Follow the steps to install driver.





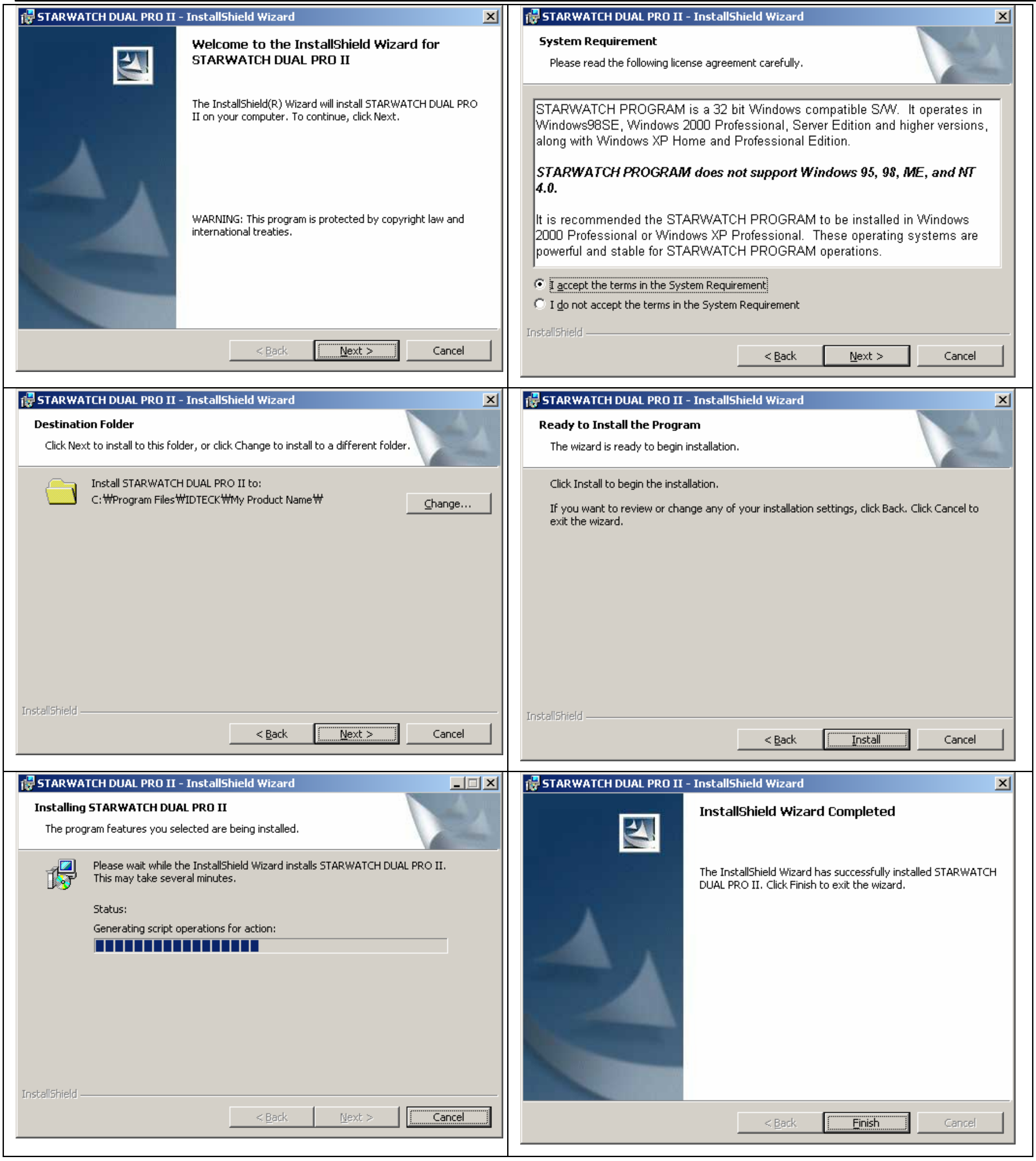


STARWATCH DUAL PRO II™ Installation

Install STARWATCH DUAL PRO II and STARWATCH DUAL PRO II CL.

Run STARWATCH DUAL PRO II.exe and STARWATCH DUAL PRO II CL.exe

1. Run STARWATCH DUAL PRO II.exe and follow steps shown below.

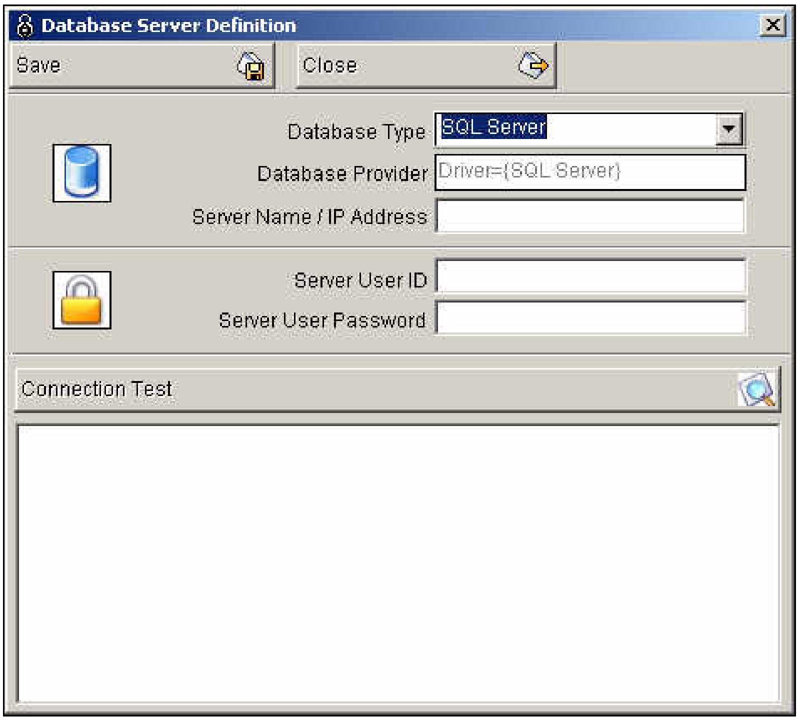


STARWATCH DUAL PRO II™ Database Definition

The setting for database connection must be set from STARWATCH DUAL PRO II first.
To complete this step, SQL Server must be installed and Database installation must be completed.

+ STARWATCH DUAL PRO II Server

1. Database server definition is showed when STARWATCH DUAL PRO II is run at first time. If database is connected, Log In screen will be shown.

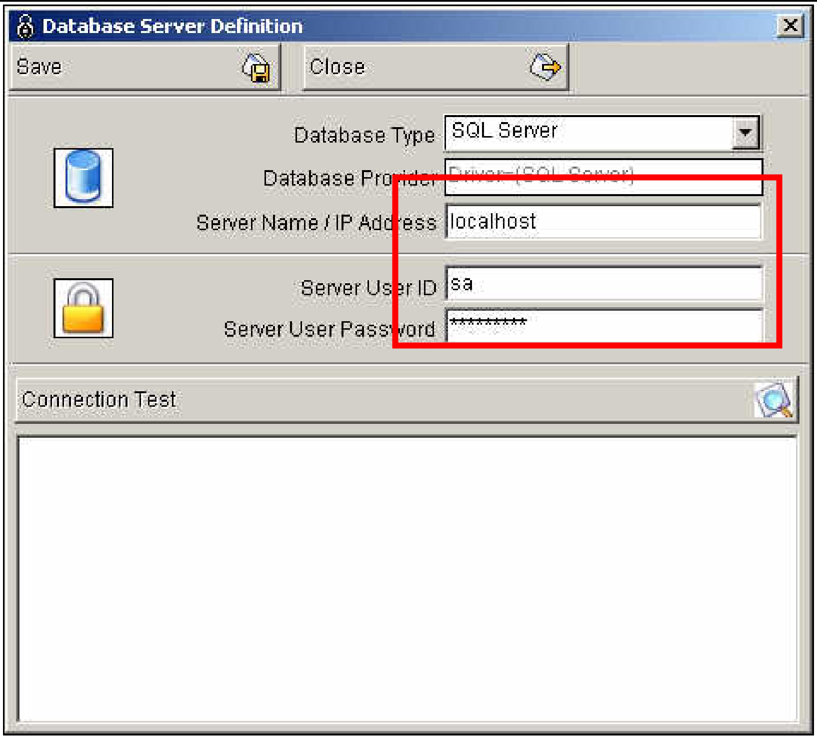


2. Enter server name or IP address on **Server Name/IP Address** .

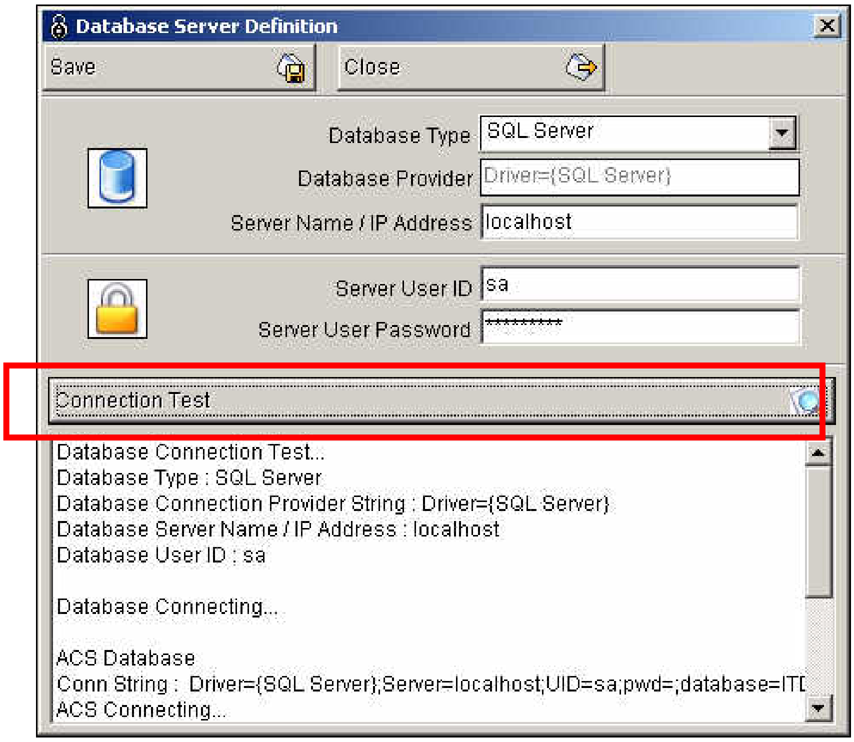
   If STARWATCH DUAL PRO II and database is installed at same location, '**localhost**' can be entered instead of IP address

   Enter User ID on **Server User I.** Enter '**sa**' if you followed user manual.

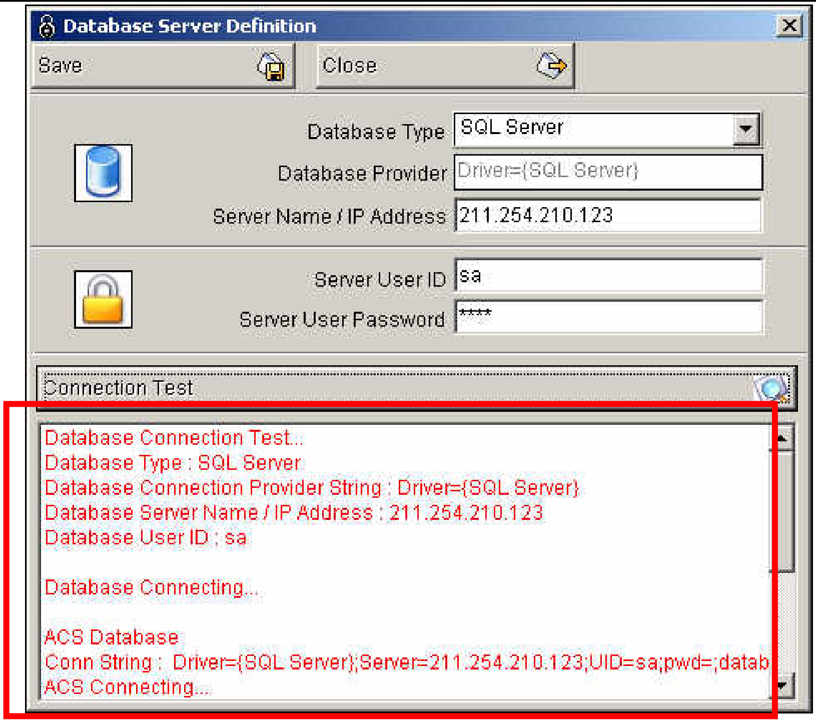
   Enter password on **Server User Password. Enter** '**starwatch**' if you followed user manual.



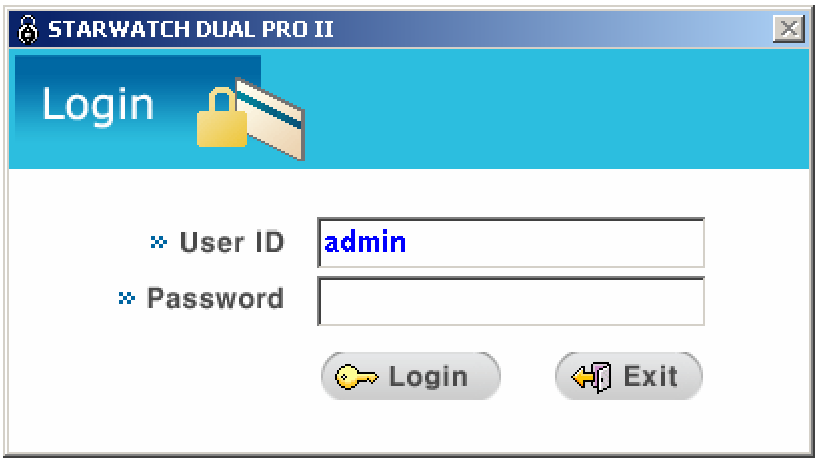
3. Click Connection Test for test.
   Following screen will be shown if connection test is completed.



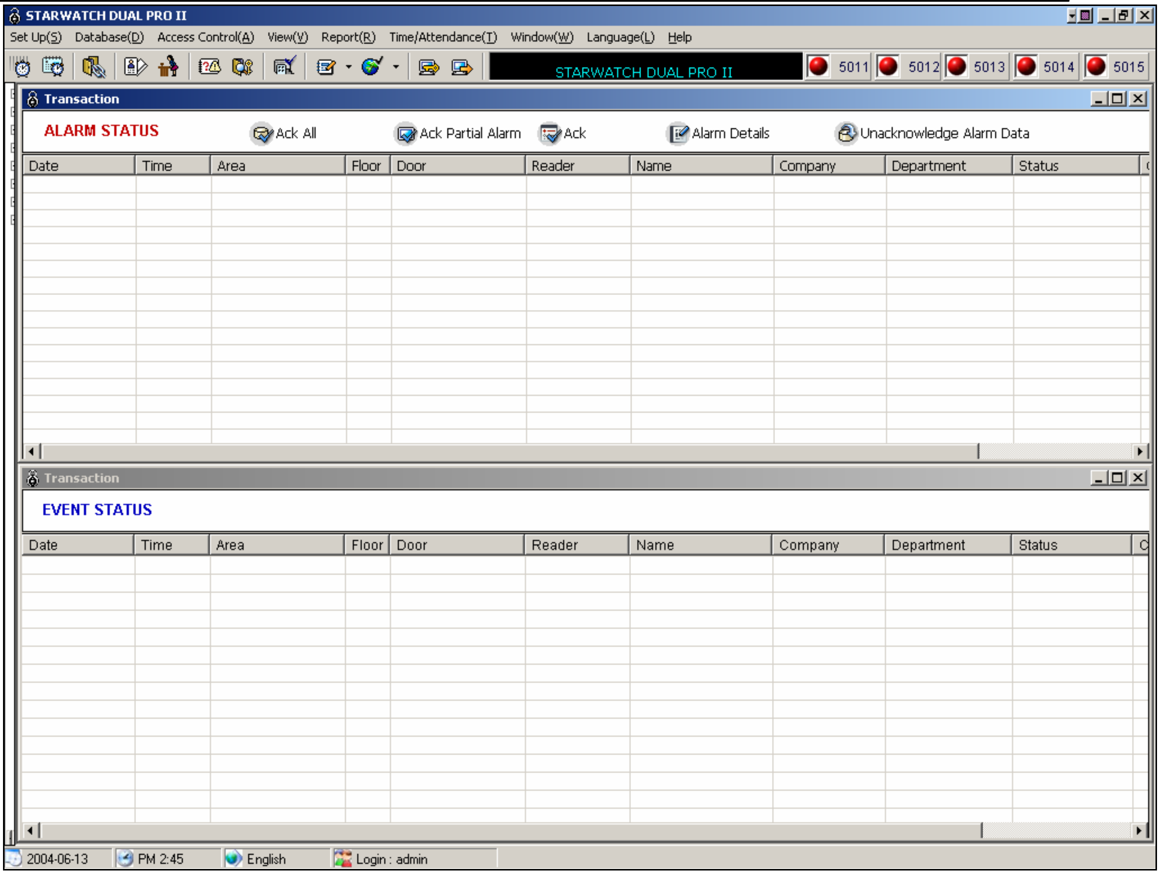
Following screen will be shown if connection test is failed. .



4. Save setting value and restart to see normal log on screen.
   Default ID '**admin**' with no password. .



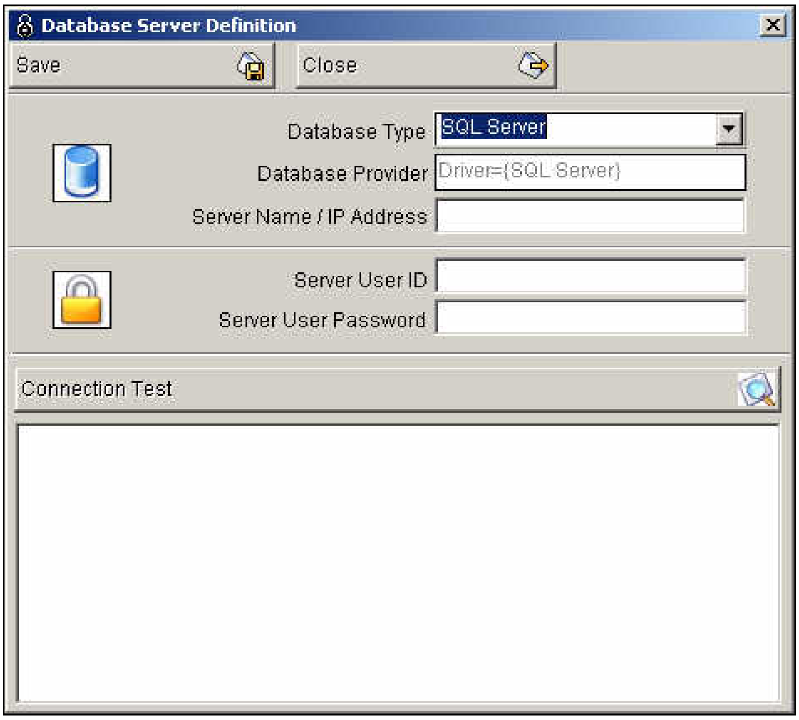
5. Following shows main screen.



STARWATCH DUAL PRO II Client

It is same with STARWATCH DUAL PRO II Server setting.

1. Database server definition is showed when STARWATCH DUAL PRO II Client is run at first time. If database is connected, Log In screen will be shown.

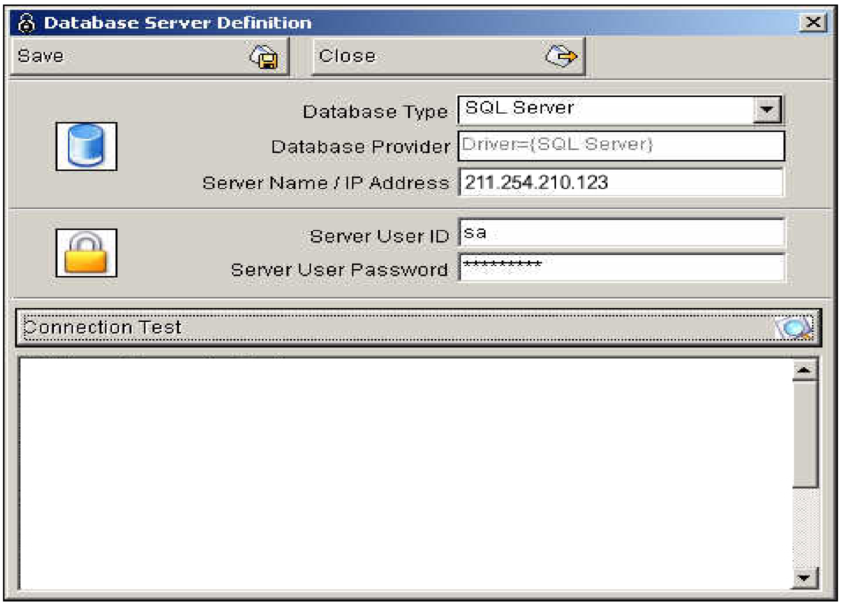


2. Enter server name or IP address on **Server Name/IP Address** .

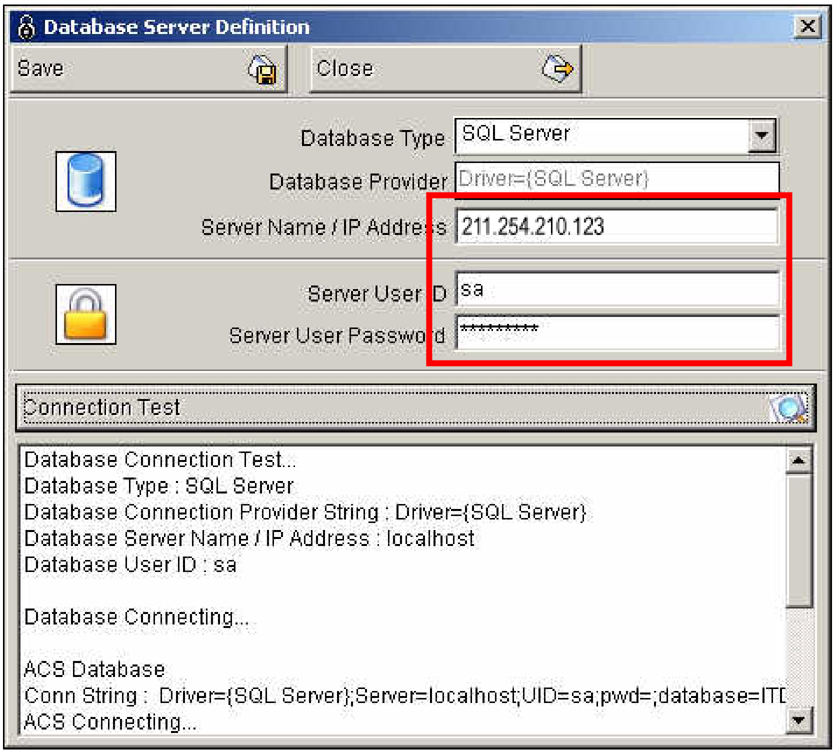
   If STARWATCH DUAL PRO II and database is installed at same location, '**localhost**' can be entered instead of IP address

   Enter User ID on **Server User I.** Enter '**sa**' if you followed user manual.

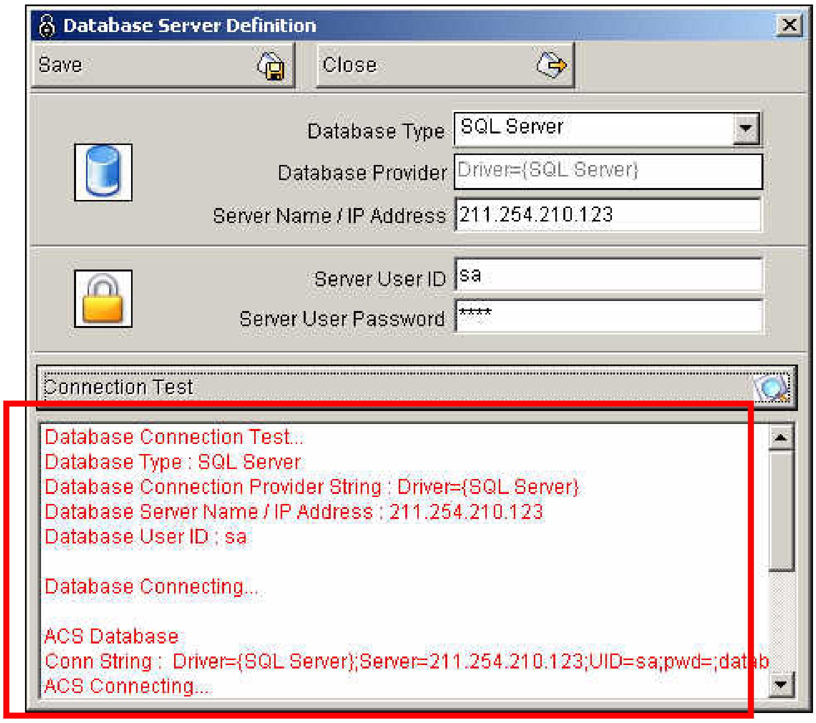
   Enter password on **Server User Password. Enter** '**starwatch**' if you followed user manual.



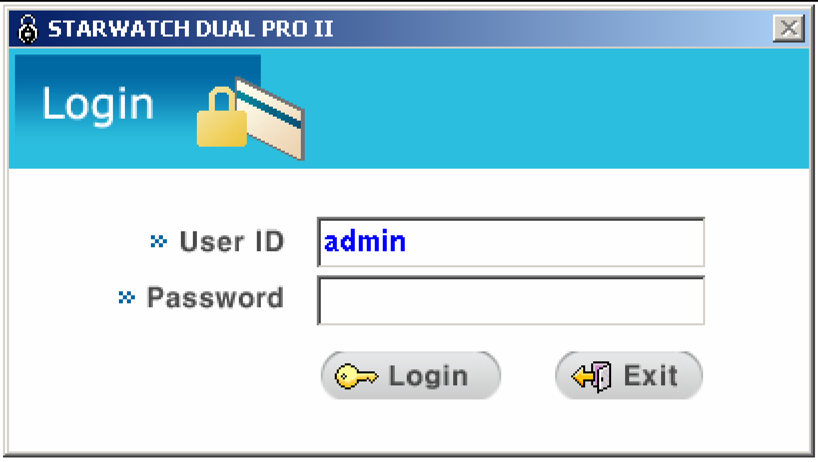
3. Click Connection Test to test.
   Following screen will be shown when test is completed.



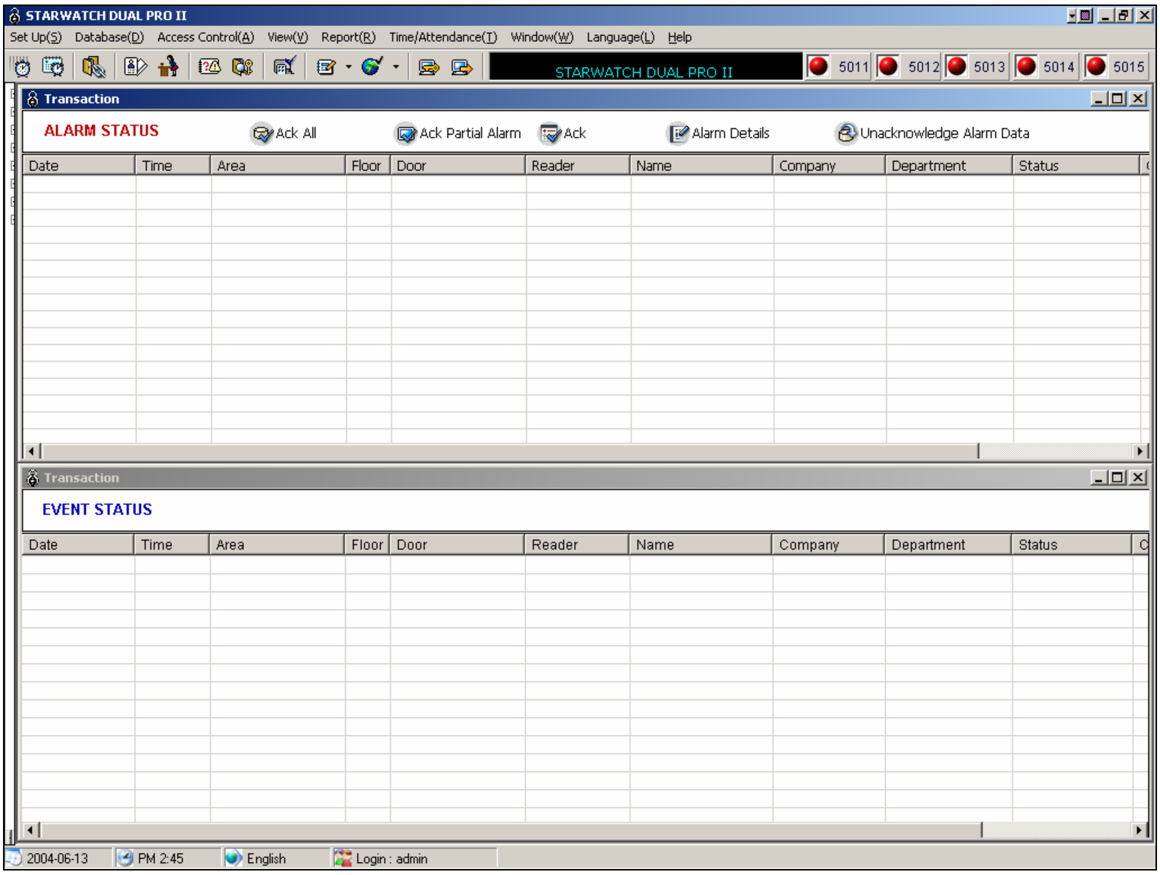
If connection test is failed, following screen will be shown.



4. Save setting value and restart to see normal log on screen.
   Default ID '**admin**' with no password. .



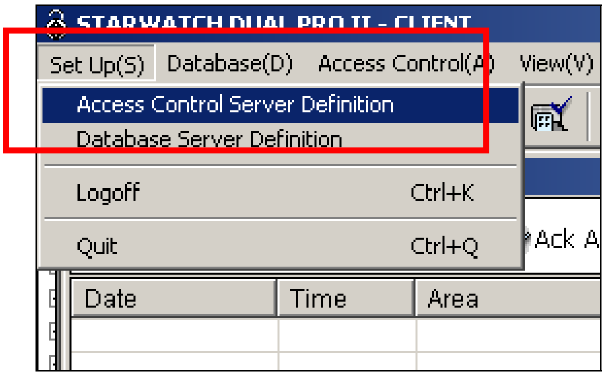
5. Following is main screen



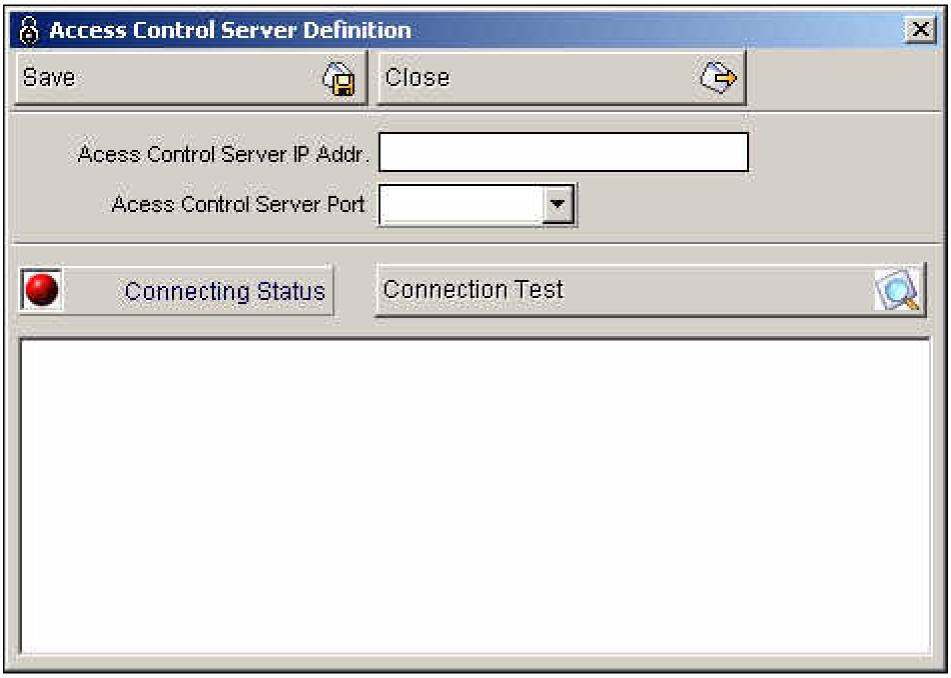
STARWATCH DUAL PRO II Client ACS Server Connection Definition

Set connection from STARWATCH DUAL PRO II Client to STARWATCH DUAL PRO II Server.

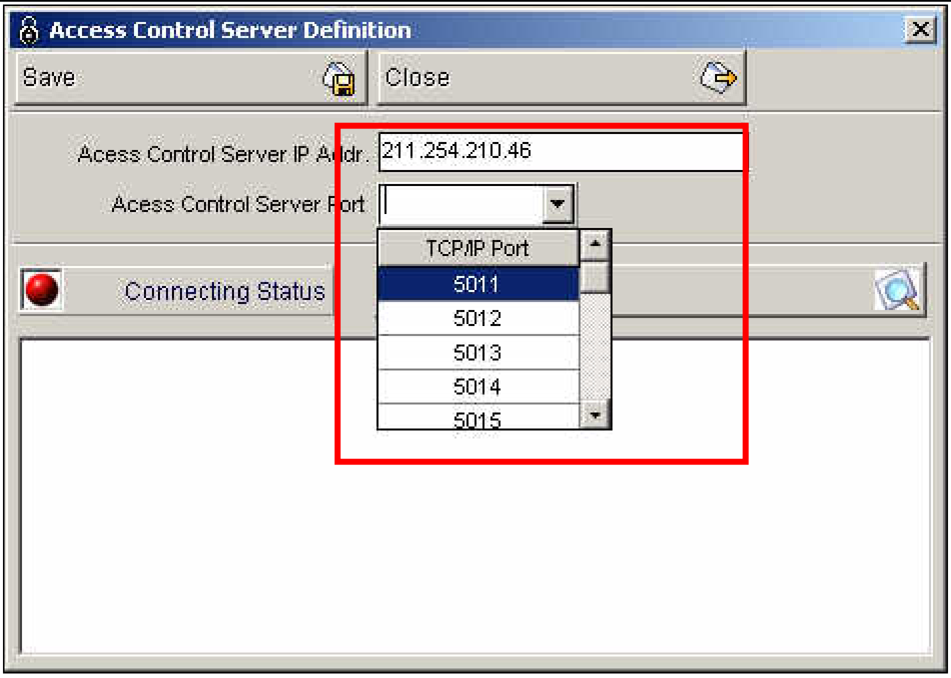
1. Run STARWATCH DUAL PRO II CL
   Run Setup->Access Control Server Definition.



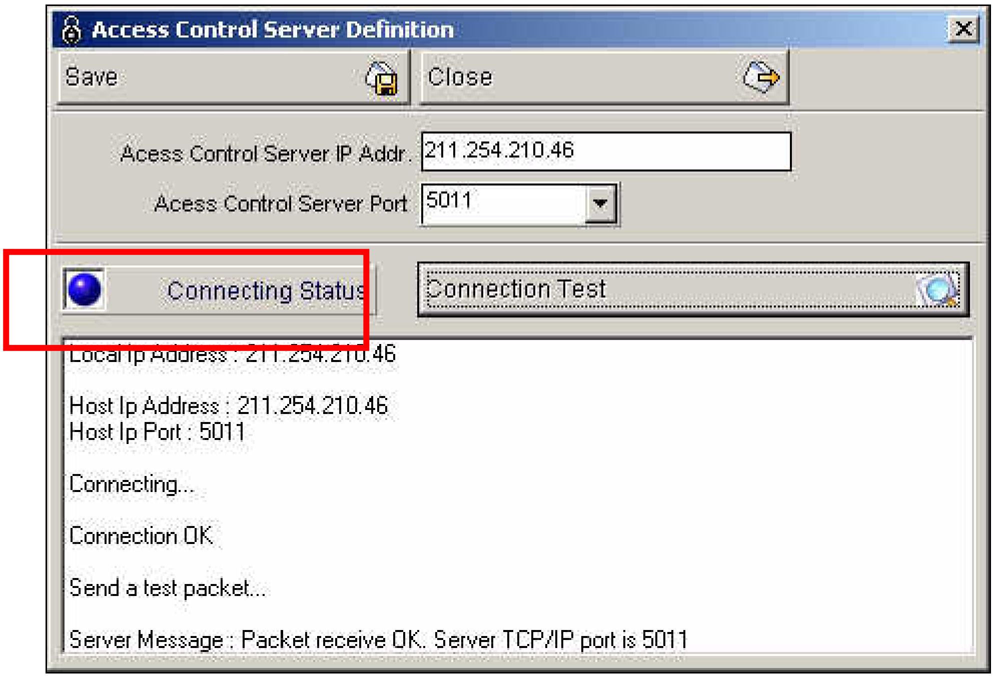
2. Following shows the screen for Access Control Server definition.



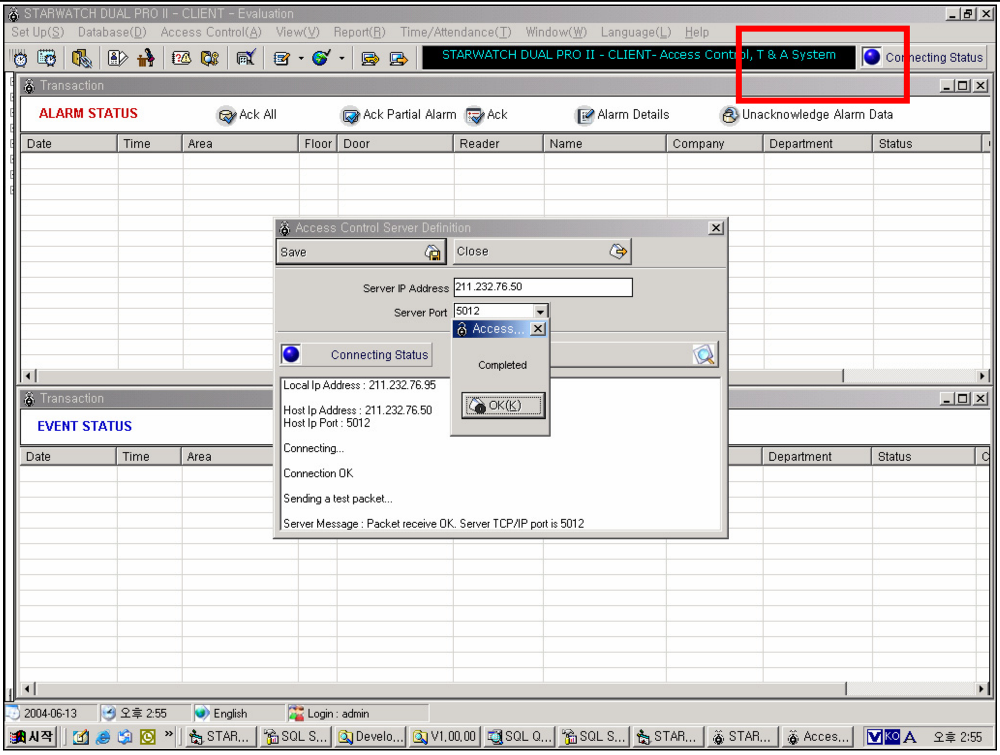
3. Enter computer IP address where STARWATCH DUAL PRO II is installed on Access Control Server IP addr.
   Set port which client program will be connected on Access Control Server Port.
   Port No must not be duplicated. Each client must have own port number.



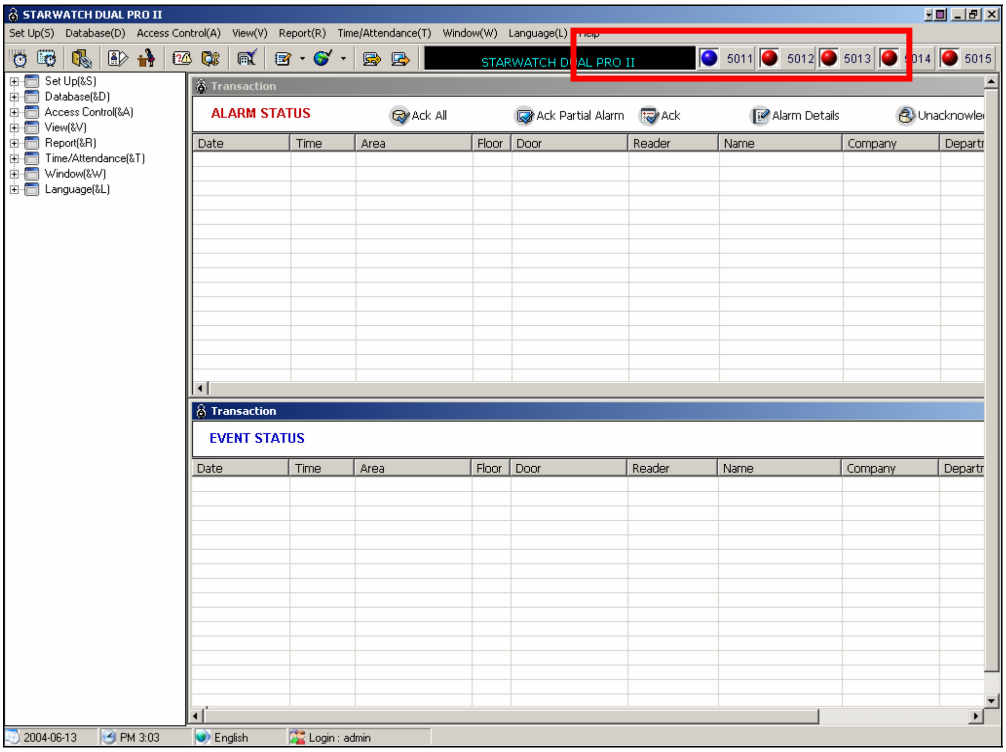
4. Click Connection Test and blue ramp will be shown when test is completed.
   In case of failure, red light will be shown and check IP address first.



5. After completion of test, click save and automatically connected to server.
   Connection status is shown on upper side of main screen.



Connection Screen from STARWATCH DUAL PRO II CL



Client connection status from STARWATCH DUAL PRO II

Chapter 3

STARWATCH DUAL PRO II Structure

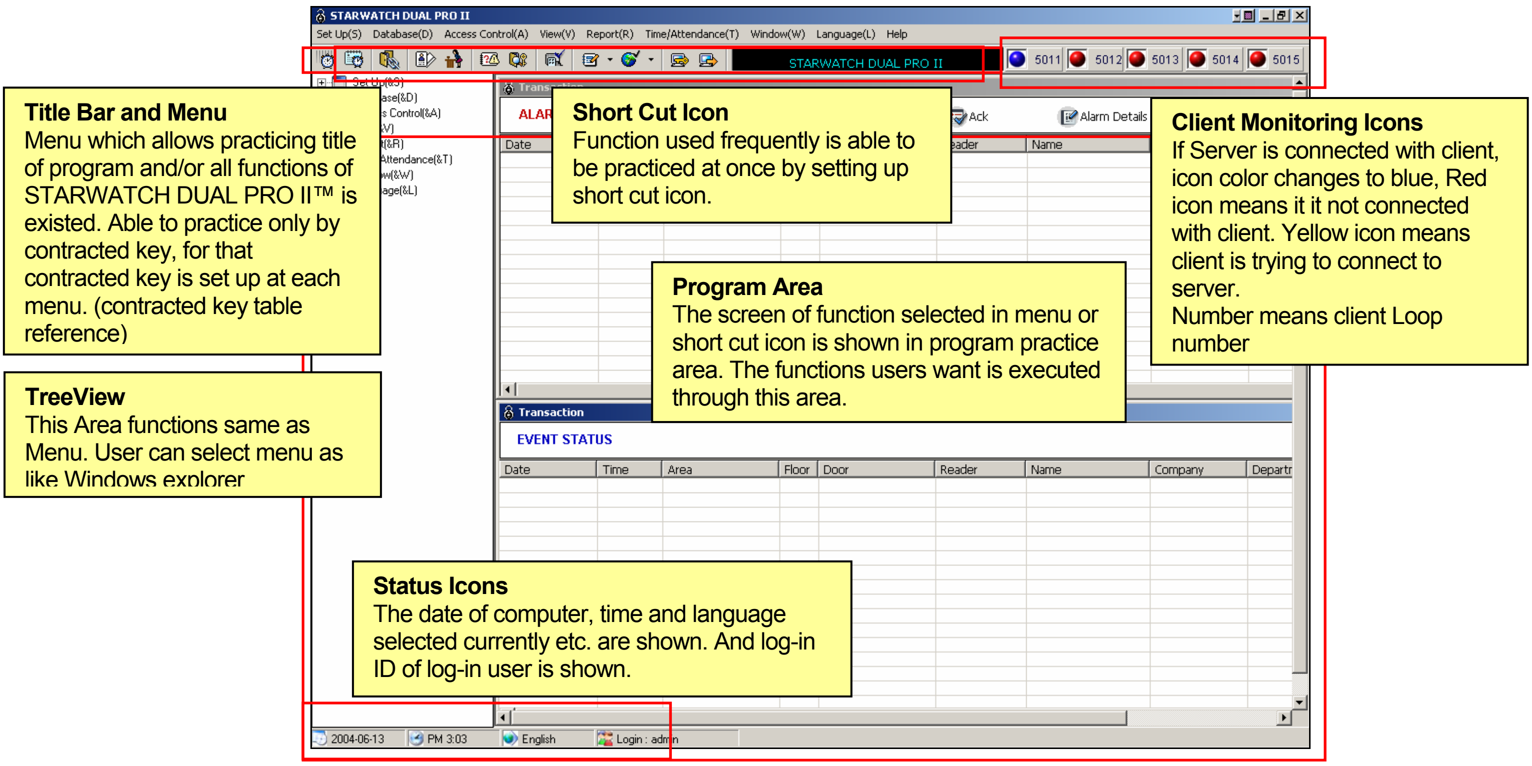
STARWATCH DUAL PRO II™ Structure

This chapter explains STARWATCH DUAL PRO II™ structure. It explains main screen structure, menu, standard icon, directory, and database file.

STARWATCH DUAL PRO II™ Main Window

STARWATCH DUAL PRO II™ main screen is differentiated into 4 parts.

Top section consists of menu and tool bar, and middle contains screen activated by function. Bottom section shows status, and through the main screen, the user can initiate functions quickly and efficiently.



Title bar and Menu

Title bar and Menu



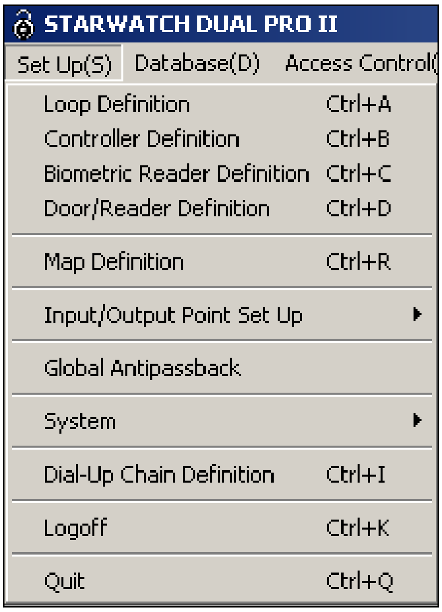
Title bar shows program title and current version.

Menu is categorized into 9 sections. Each menu contains sub-menus, which the user can activate functions by selecting the correlating sub-menu.

Menu Structure and Short Cut Key

- Set Up

It contains functions for communication relation, device definition, dial up setup, system log on (off), and quit.

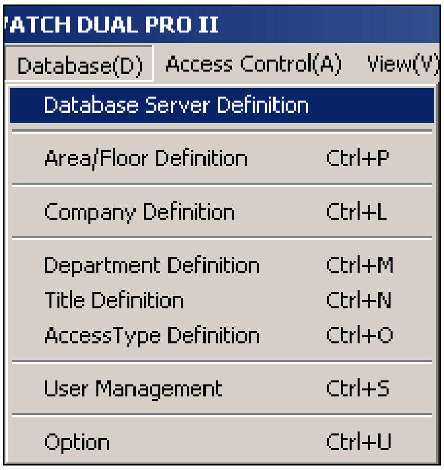


System			Shortcut Key
Set Up			ALT +S
	Loop Definition		CTRL + A
	Controller Definition		CTRL + B
	Biometric Reader Defintion		CTRL + C
	Door/Reader Definition		CTRL + D
	Map Definition	Input/Output Point Definition	CTRL + R
	Input/Output Point Setup	Input/Output Point Timeschedule Defintion	CTRL+E/F
	Global Antipassback		
	System	Set Time, Set Initialize, Mastercard Management	CTRL+G/H
	Dial-Up Chain Definition		CTRL + I

	Logoff		CTRL + K
	Quit		CTRL + Q

- Database

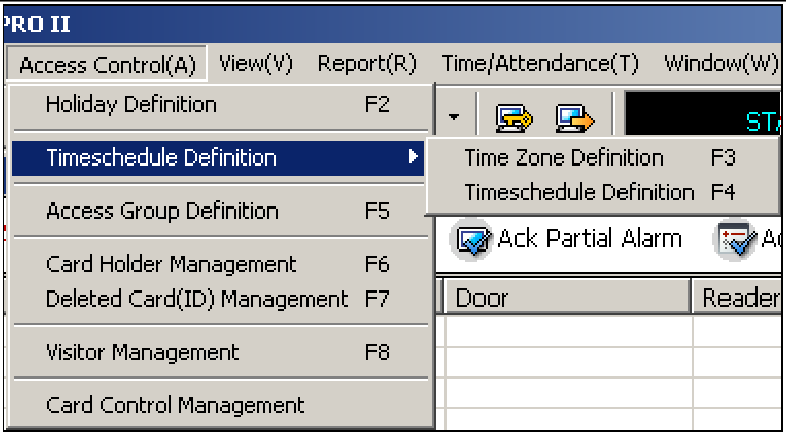
Database contains definition for company, department, title, area setup, map setup, user registration, management and options. Inputting the default user data will be used in user management. It also contains map function to setup by area and floor. Database management contains backup, recovery, and compression for data.



Database			Short Cut Key
Database			ALT + D
	Database Server Definition		
	Area/Floor Definition		CTRL + P
	Company Definition		CTRL + L
	Department Definition		CTRL + M
	Title Definition		CTRL + N
	Access Type Definition		CTRL + O
	User Management		CTRL + S
	Option		CTRL + U

- Access Control

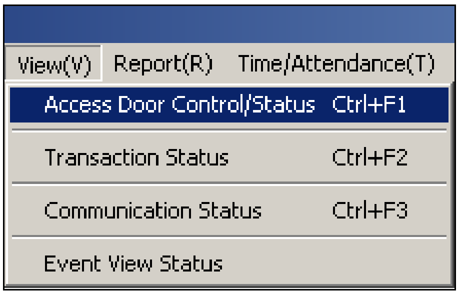
Access Control menu contains sub functions for managing access control. It contains setup for work holiday, time schedule, user group, user management, and visitor management.



Access Control			Short Cut Key
Access Control			ALT + A
	Holiday Definition		F2
	Time schedule Definition	Time Zone Definition	F3
		Time schedule Definition	F4
	Access Group Definition		F5
	Card Holder Management		F6
	Deleted Card(ID) Management		F7
	Visitor Management		F8
	Card Control Management		

- View

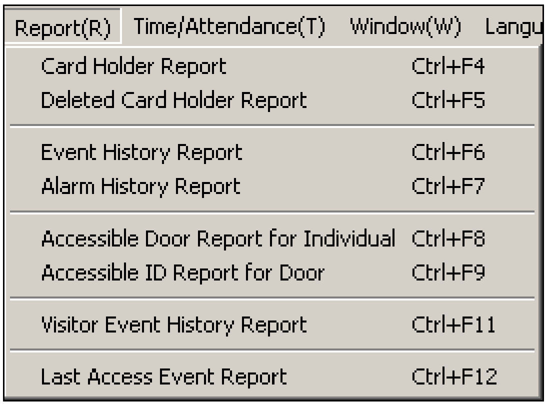
View menu contains access door control status, event transaction status, and communication status to monitor functions.



View			Short Cut Key
View			ALT + V
	Access Door Control/Status		CTRL + F1
	Transaction Status		CTRL + F2
	Communication Status		CTRL + F3
	Event View Status		

- Report

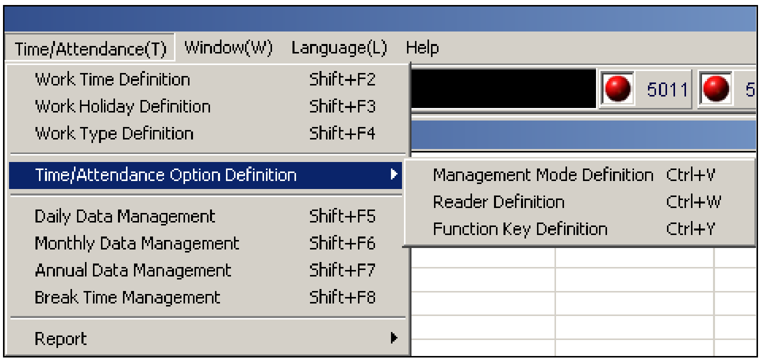
Report menu contains sub-menus for various reports. You can have 8 types of access control reports.



Report			Short Cut Key
Report			ALT + R
	Card Holder Report		CTRL + F4
	Deleted Card Holder Report		CTRL + F5
	Event History Report		CTRL + F6
	Alarm History Report		CTRL + F7
	Accessible Door Report for Individual		CTRL + F8
	Accessible ID Report for Door		CTRL + F9
	Visitor Event History Report		CTRL + F11
	Last Access Event Report		CTRL + F12

- Time & Attendance

Time & Attendance menu consists of sub-menus relating to the time attendance with the system. It contains definition for work time, work holiday, work type, data (daily, monthly, Annual) expiration and report to operate functions easily.

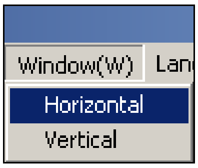


Time / Attendance			Short Cut Key
Time/Attendance			ALT + T
	Work Time Definition		SHIFT + F2

	Work Holiday Definition		SHIFT + F3
	Work Type Definition		SHIFT + F4
	Time/Attendance Option Definition	Management Mode Definition	CTRL+V
		Reader Definition	CTRL+W
		Function Key Definition	CTRL+Y
	Daily Data Management		SHIFT + F5
	Monthly Data Management		SHIFT + F6
	Annual Data Management		SHIFT + F7
	Break Time Management		SHIFT + F8
	Report	ID/Daily Attendance Report	SHIFT + F9
		Monthly/Annual Attendance Report	SHIFT + F11
		Daily Break Time Report	SHIFT+ CTRL+F1
		Monthly Break Time Report	SHIFT+ CTRL+F2

- Window

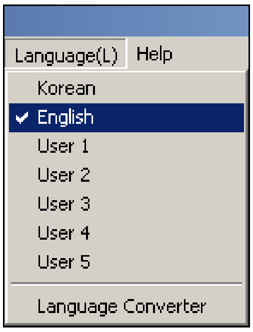
Window menu gives you options for horizontal or vertical viewing in a row.



Window	
Window	
	Horizontal
	Vertical

- Language

Language menu contains multiple languages to change language of program for user.



Language	
Language	
	Korean
	English

	User Language 1
	User Language 2
	User Language 3
	User Language 4
	User Language 5
	Language Converter

Shortcut Icon

Shortcut icon lets the user perform frequently used functions to quickly initiate jobs.

The black label to the right of shortcut icons displays current activity data of program operation.



Here are the types of shortcut icons.

Short Cut Icons		
	Time Zone	Create access time code and access time setup.
	Time schedule	Setup time schedule by day of the week access time code.
	Access Group	Create group in access area.
	Card Holder	Input, edit, and delete card holder data.
	Visitor	Input, edit, and delete visitor data.
	Transaction	Monitor current event transaction in real time.
	Door Control	Monitor door control status and manual control doors.
	Map Definition	Setup item location and area/floor map definition.
	Report	Access control report inquiry and print out report.
	Language	Language setup.
	Logoff	Logoff from program.
	Quit	Quit program

Status bar

Status bar displays current date and time setup in PC. Also, it displays current language and user login ID.

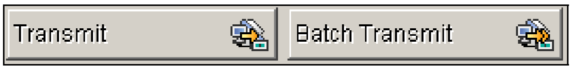


Standard Icon

It explains standard icons used in STARWATCH DUAL PRO II™. You can see general icons in every screens of STARWATCH DUAL PRO II™. These icons perform their specified functions. The following explains each icon's function.



Standard Icon 1		
	Find	Finds the data by search condition.
	Add	Used for adding data and activates additional screen.
	Modify	Used in modifying data and activates modify screen.
	Delete	Used in data deletion and deletes the data.
	Close	Closes the current active screen.



Standard Icon 2		
	Transmit	Sends the current selected data to the controller.
	Batch Transmit	Sends the searched data and database info in batch format.



Standard Icon 3		
	Create Data	Creates information result with original data.



Standard Icon 4		
	Print	Searched information is printed out.
	Export	Exports searched information text as Excel file format.

Program Folder

It explains the folder where STARWATCH DUAL PRO II™ is installed.

STARWATCH DUAL PRO II™ is installed in C:\Program Files\STARWATCH DUAL PRO II folder. Also, depending on circumstance, it is installed in C:\Program Files\ IDTECK \ STARWATCH DUAL PRO II.

User can change the drive and folder, where program is installed. During installation, it can install to other drive and folder if default folder is not used.

Database Structure

STARWATCH DUAL PRO II™ has 4 database files in structure, and 3 database file is created in Microsoft SQL Server and 1 database is created in Microsoft Access(.mdb)..

The following are the Microsoft SQL Server database file creation.

- DUAL_PRO_II_ACS

  This database file contains all saved information of device data, user data, event current alarm data, and is the main database file of STARWATCH DUAL PRO II access control system.

  This file is the most important database file, and needs user's management. Refer to maintenance management chapter for detailed explanation.

- DUAL_PRO_II_TAS

  This database file is STARWATCH DUAL PRO II™'s attendance file, and contains all saved information of time attendance, work holiday, work type, end of (day, month, year).

  This file is most important database file in attendance function, and needs user's management.

- DUAL_PRO_II_CLT

  This database file is containing data of Option program in each Client. Sound, Map and Path of sound are saved in each Client folder.

The following is the Microsoft Access database creation..

- STAR-LANGUAGE.mdb

  This database file contains Language information of all program. All multiple language is saved using Language Converter.

Chapter 4

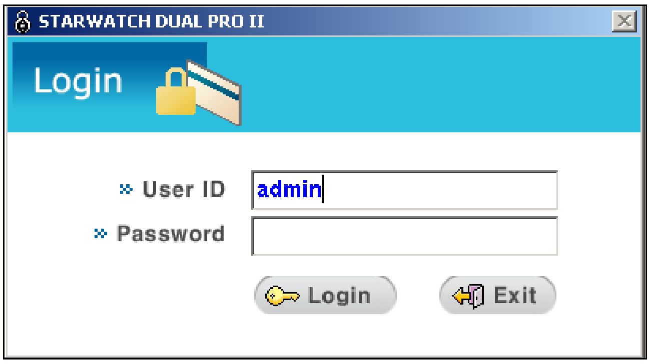
STARWATCH DUAL PRO II Initial Setup

STARWATCH DUAL PRO II™ Initial Setup

This chapter explains installation items setup, after installing STARWATCH DUAL PRO II™.

Program Login

The following screen appears in initial program activation. Login gives program use authorization, and if this is first time login after installation, you will need to use default login information.



Once the login screen appears, input admin for User ID. Password does not exist. Then press Enter or select Login button to go to main screen.

Program Configuration

Area/Floor Definition

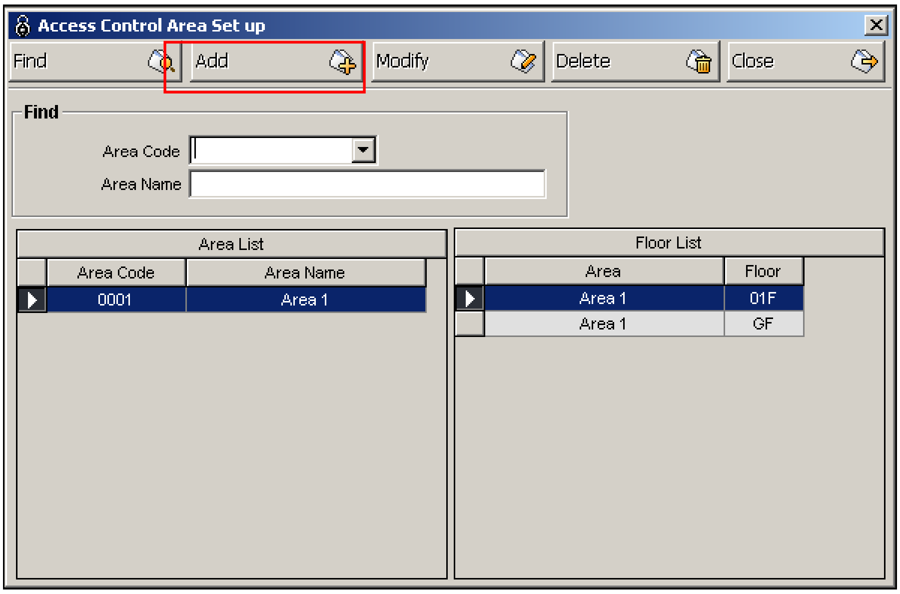
Area/Floor configuration is used for default data creation to distinguish access door, reader, and sensors by installed locations. Multiple buildings can be designated by area, and the floors correlating to the area can be distinguished.

- Start

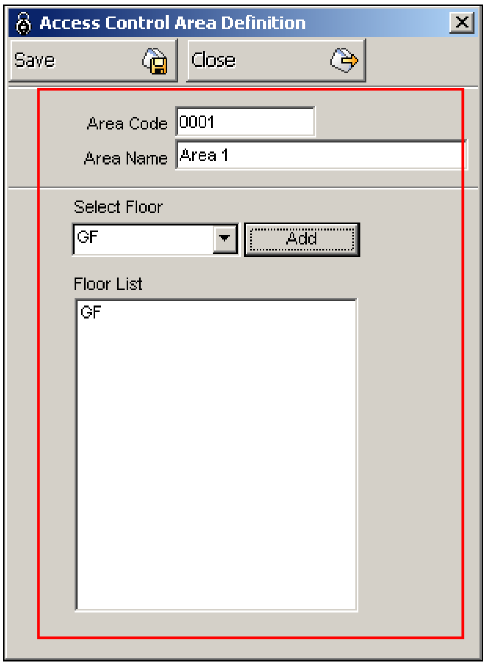
  Select Database->Area/Floor definition or press Ctrl+P on keyboard.

- Add

Add is used to create the new data. Select Add to input data of area and floor through the input screen.



1) Select Add and the screen below appear.



2) Input area code. If already registered code is used, it will not register, but only a new area code.

3) Input area name.

Select floor then select Add button. It will show up in Floor List window. Repeat this procedure to add additional floors.

4) If all the floors are added to the area, select Save button to save.

5) Select Close to finish.

Setup the area/floor definition prior to use, because the data is used in variety of ways for registration of access door, reader, input point of contact, and map configuration.

Loop Definition

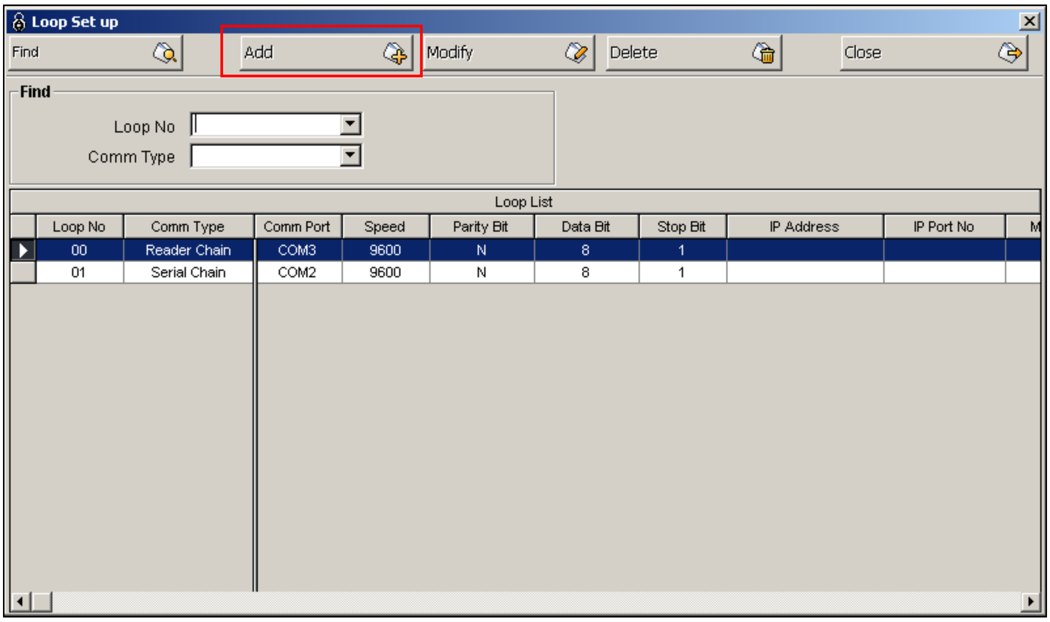
Loop definition describes Serial and TCP/IP communication loop connected to the PC. It supports up to 99 ports, but keep in mind depending on PC performance, memory, and OS, supporting 99 ports may not be possible. It is recommended to use adequate number of ports for usage.

- Start

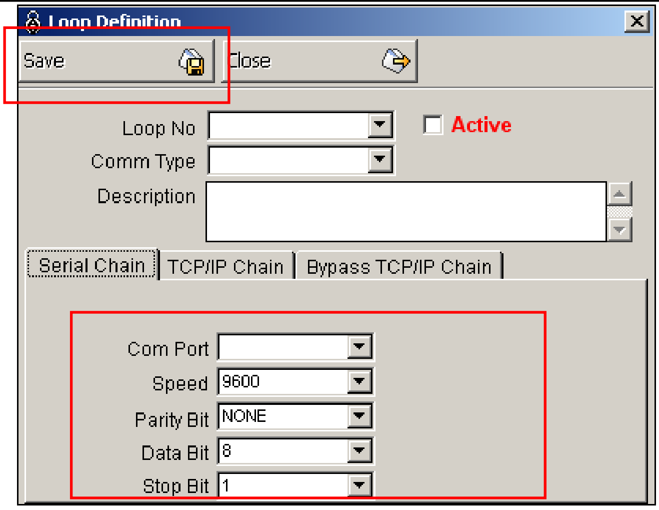
  Select Set Up-> Loop Definition or press Ctrl+A button on keyboard.

- Add

  Add is used to create the new data. Select Add to add ports through the input screen.



1) Select Add and the screen below appear.



2) Select Loop number. It will indicate Loop numbers not used.

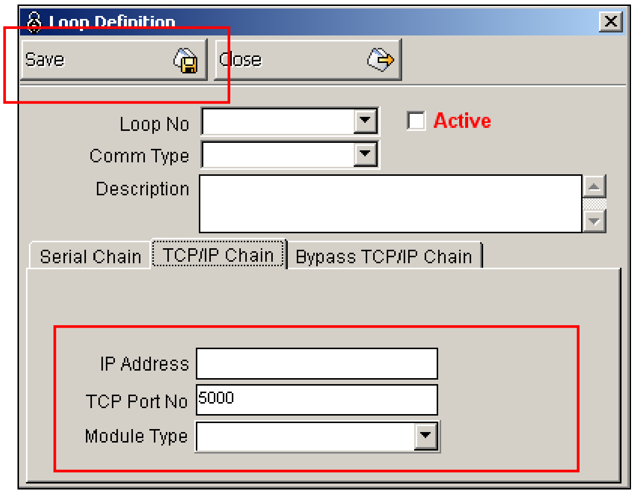
3) Select communication type by Serial Chain, TCP/IP Chain, or Dial-Up Chain to setup communication.

4) Check mark Active for the correspond Loop to be able to communicate.

> *Decide if correspond Loop will be active for communication. Active check mark Loop No communicates, but without a check mark will result in no communication.*
>
> *This option lets the user make the Loop inactive, if the Loop requires maintenance due to a problem in communication. User can fix the problem while other locations remain with active ports.*
>
> *If the Loop data is modified, you must close the program and restart.*

5) From Serial Chain tab, select Com Port, Speed, Parity Bit, Data Bit, and Stop Bit. Set the value as 9600 for Speed, NONE for Parity Bit, 8 for Data Bit, and 1 for Stop Bit as controller default set value.

6) Selecting TCP/IP Chain tab will change the screen as follows.

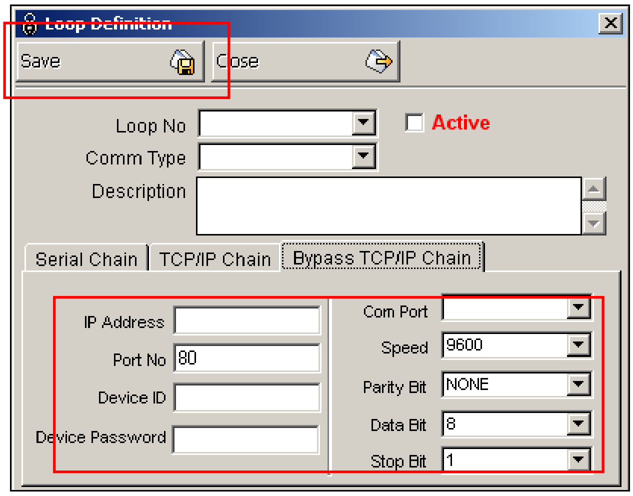


In the IP address window, input the address of the external TCP/IP converter (NetEye 1000SA).

Input 5000 as default value for TCP Loop No.

For Module Type, select internal or external (NetEye 1000s) as converter type.

7) Selecting Bypass TCP/IP Chain tab will change the screen as follows



In the IP address window, input the address of the external TCP/IP converter (Webeye).

Input 80 as default value for TCP Loop No.

Input Device ID and Device Password to connect the Converter. Device ID and Device Password can be registered using the setting program.

Com Port, Speed, Parity Bit, Data Bit and Stop Bit must be selected the same value set by converter setting program.

8) Select Save to save the Loop data input, and select Close to finish.

For detailed explanation of TCP/IP communication, please refer to chapter 7 (TCP/IP communication) in STARWATCH DUAL PRO II™.

Also, refer to chapter 8 regarding Dial-Up communication in STARWATCH DUAL PRO II™.

Controller Definition

Controller Definition explains data definition of controller

Each device has its own communication address. By address type, the S/W data is defined and communicated. Also, each device can have its own function options, and these options are sent to the devices for application.

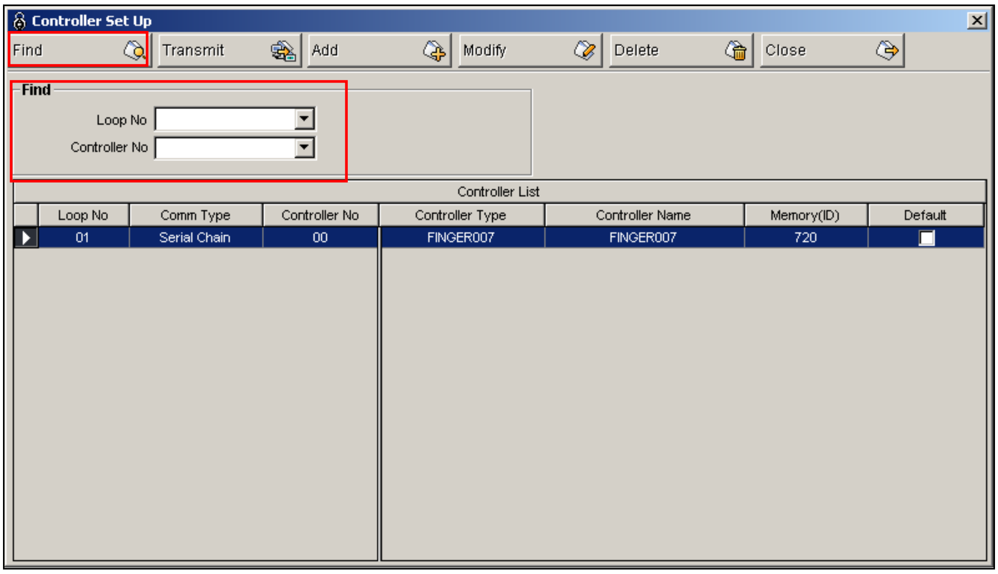
Complete all initial setup and reboot the program, and make certain communication is established before using transmit function.

- Start

  Select Set Up->Controller Definition or press Ctrl+B button on keyboard.

- Find

  Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.



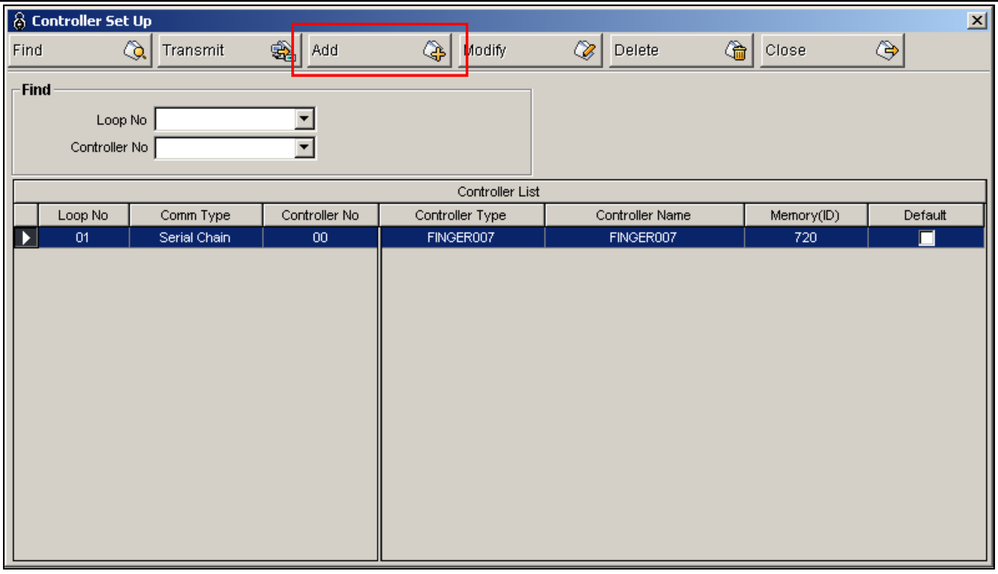
1) Select Loop No. and Controller No. as appropriate.

2) Select Find to make an inquiry. If inquired result is available, it will display the results.

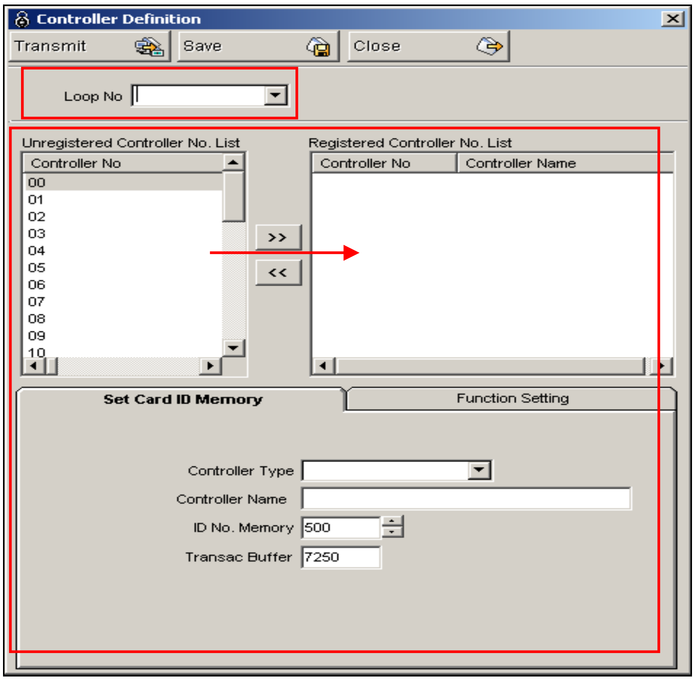
If find has no specific parameters, it will display the entire information

- Add

  Add is used to create the new data. Select Add to add controllers through the input screen



1) Select Add and the following screen appear.

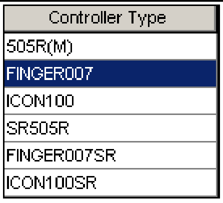


2) Select Loop No. It will display the Loop numbers from Loop registration.

3) Controller numbers not registered will be displayed in Unregistered Controller No. List. Select the Controller No. to register by selecting >> button or double clicking the controller number to add to the right hand side Registered Controller No. List window.

Controller registration must be done one at a time. This means after registering one controller number, you need to input the controller's default data. Once this is done, select Save button to save this controller's definition to finish. Repeat the procedure to add additional controllers.

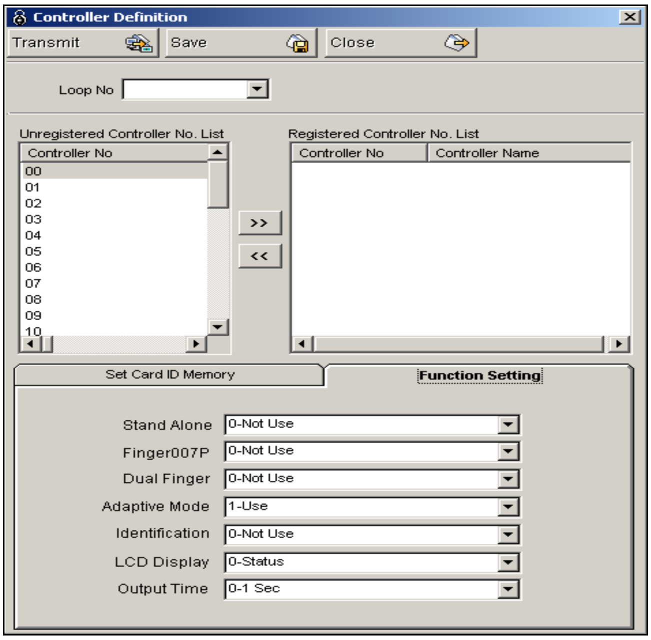
4) Select Controller Type as controller type.



5) Input Controller Name. It must be done because it is used to locate which controller is having the event when an event occurs.

6) Card memory definition is setup. The event memory is automatically defined depending on card memory. Define adequate card and event memory for operation.

7) After setup is completed in 'Set Card ID Memory', please click 'Function Setting' tab. Following screen will be shown up.



8) These items in 'Function Setting' is Type in Controller and user can select the type.

a. Stand Alone is used to select whether new data will be filed or ignored when memory is full. Default value is 'Not Use'

b. Finger007P is used to select whether Pin mode will be activated or no. Default value is 'Not Use'

c. Dual Finger is used to register fingerprint in registration mode whether single fingerprint is used or dual fingerprints are used. Default value is 'Not Use'

d. Adaptive Mode is used to enhance fingerprint verification rate. Default value is 'Use'

e. Identification is used to access door only by fingerprint. Default value is 'Not Use'

f. LCD Display is to select whether access status will be shown up or card number will be shown up. Default value is 'Status'

g. You can set Output Time 1Sec or 0.1Sec. Default value is 1Sec.

9) Select Save button to save data.

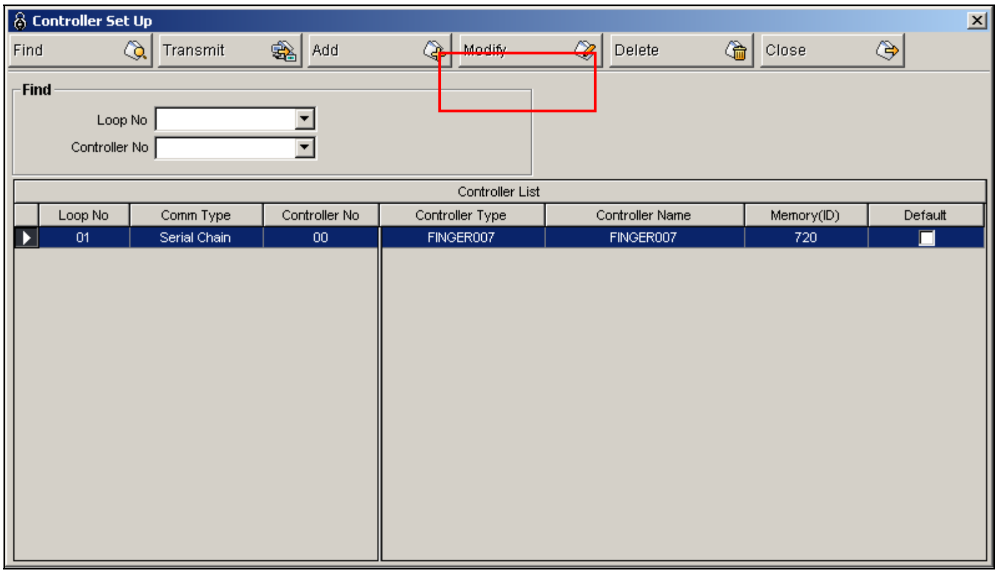
10) Select Transmit button to send setup data to controller for memory setup.

When setup is performed for all controller, program, and related data, it is not active until transmitted to controller. It is possible the transmit function may not work properly.

11) Select Close button to finish.

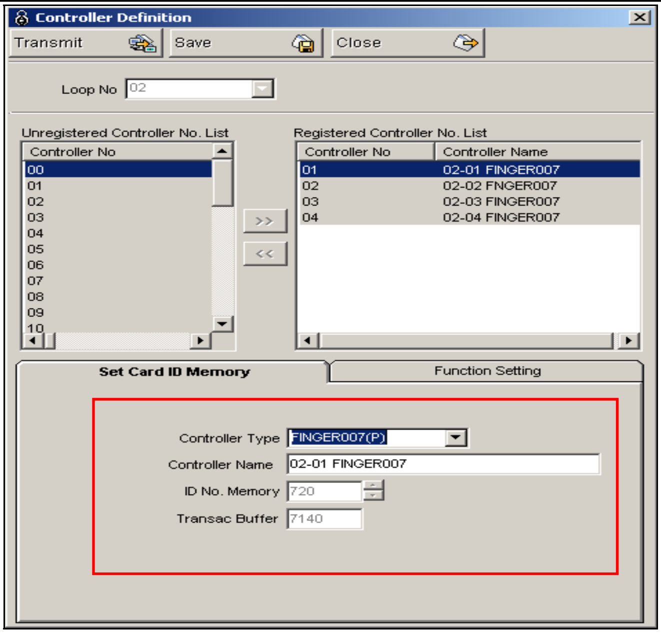
■ Modify

Modify is used to change existing data. Find data to modify or to change registered controller category. Selected data is displayed as below figure in highlighted bar.

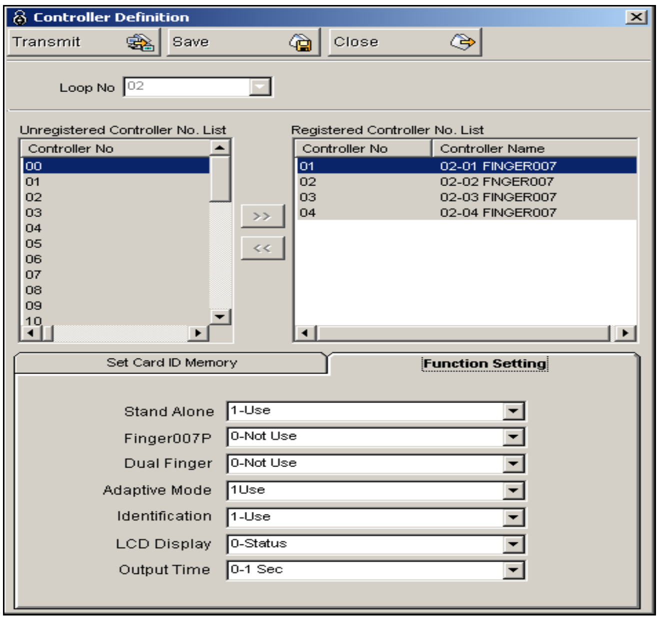


1) Select Modify to see the following screen. The Controller Modify is equal to registration screen. However, the Loop No cannot be changed, and modify is possible to the selected controller address.

A.



B.



Modify the items that need changing. And 505R and ICON100 can be changed only LCD Display and Output Time in 'Function Setting'.

2) Select Save button to save the modified information.

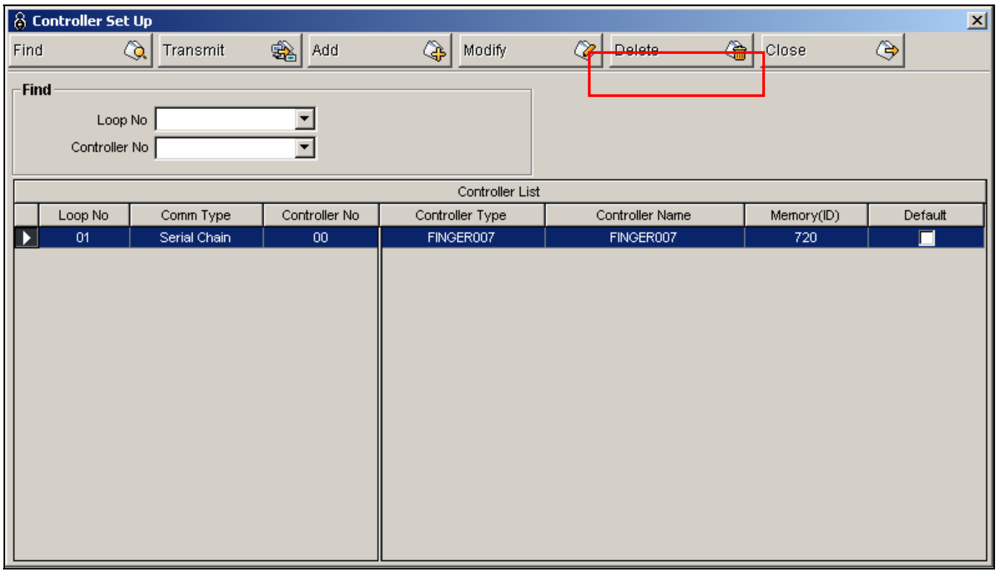
3) Select Transmit button to send setup data to controller for memory setup.

When setup is performed for all controller, program, and related data, it is not active until transmitted to controller. It is possible the transmit function may not work properly.

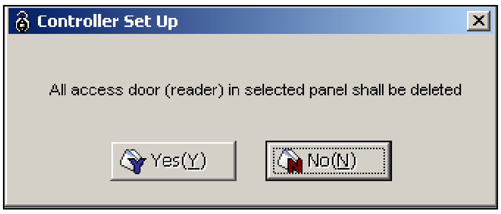
4) Select Close button to finish.

■ Delete

Delete is used to delete existing saved data. Find data to delete or to delete registered controller category data. Selected data is displayed as below figure in highlighted bar.



1) Select Delete button. The screen below will appear. Select Yes button to delete or No button to cancel.

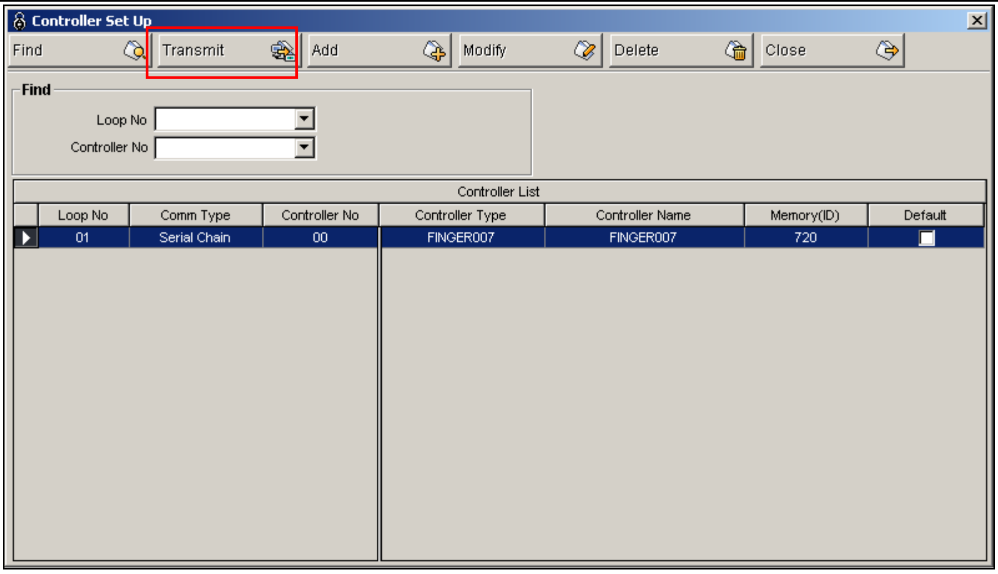


Deleting the registered controller will erase all data of controller, access door, and reader. Please use extreme caution when using this function.

■ Transmit

This function is used to send the setup functions to the controller for activation. Use Find to search for data transmit or select the data from the registered controller categories to send.

Selected data is displayed as below figure in highlighted bar.



1) Select Transmit button. This will send the selected data to the corresponding Controller No for application.

If an error does occur, detailed explanation is displayed in a message box.

In this case, retransmit the data, but if the error continues, check the communication and controller for problems.

Biometric Reader Definition

Biometric Reader Definition defines Biometric Reader connected to the Controller. To transmit user's fingerprint or manage reader it is required to setup Biometric Reader items.

To transmit user's fingerprint and manage reader Biometric Reader it needs to be composed with communication line and Biometric Reader should have address over 33. And reader address cannot have the same address with controller which connected to the same **Port**. . Refer to the Biometric Reader manual to setup.

In this menu you can manage reader setup and reader function.

Available function :

FGR006 : Reader Mode , Fingerprint Mode , Adaptive Mode, Output Mode, Function Mode, Identification

FINGER006 : Reader Mode , Fingerprint Mode , Adaptive Mode, Identification, LCD Display, Key Pad, Finger006P, Output Mode, Output Type, Input Mode

Reader Mode

Card Reading Mode of Biometric Reader.

***RF Only**, Through card reading, card number is tranmitted to the controller.*

***RF+ FINGER**, After card reading, fingerprint is confirmed. Both card reading and fingerprint confirmation are finished then card number is transferred to the controller.*
If scanning for fingerprint is not working after reading card the user is not registered fingerprint. And after confirmation of fingerprint the door is not opened then either confirmation of fingerprint is failed or confirmation of controller is failed.

Confirmation failure : Unregistered User.

Fingerprint Mode

Set up the count of fingerprint in Biometric Reader.

*In **Single mode**. you should register fingerprint of one person two times.*
This makes the security rate of confirmation of fingerprint higher.

*In **Dual Mode**, fingerprints of different finger are registered separately.*
It is allowed to register one fingerprint two times.
Dual Mode is for replacing broken fingerprint with second registered fingerprint.

Adaptive Mode

Used to make scanning rate higher. Not to make Confirmation rate higher.
In Use Scanning module flicking.
In Not Use Scanning module is on continuously.

Output Mode

Set up card data print type which transmit from Biometric Reader to the controller.

This is the way transmitting Card number in RF Only or RF + FINGER in Biometric Reade. Set up controller's receipt reader type which receive card number.

0 – 26 Bit Wiegend , 1 – ABA Track II (10 Char)

Must setup 0 – 26 Bit Wiegend in Controller.

Function Mode

Setup Biometric reader's function.

Reader Mode is to read card and confirm fingerprint.

Reg Mode is same with the registationof fingerprint reading Master Card. When using this mode automatically changed to the fingerprint registration mode.
After finishing fingerprint registration and deletion to use normally you should change to the Reader Mode.

Identification

This is Automatch function. This function makes it possible to grant cardholder verification only by fingerprint without card.

If mode is Not Use, according to mode cardholder should verify by card or card + fingerprint.

If mode is Use, it is possible to verify only by fingerprint without card or pin input.

LCD Display

This function is to show cardholder card verification status or cardnumber.

In Status mode, it displays verified status or not verified status after card or fingerprint verification has finished.

In Use mode, it displays only card number regardless of verification success or verification failure.

Key Pad

This function is to set whether Key Pad will be used or not.

In Use mode, it is possible to verify card by using Key Pad.

In Not Use mode, it is not possible to verify card by using Key Pad. Key pad won't be operated.

Finger006P

This function is to set whether PIN mode will be used or not in Finger006. It will be set automatically and user won't be allowed to use this mode. So don't change this mode as you please.

In Use mode, it will displayed as FINGER006P on LCD screen and this makes it possible to verify cardholder just by inputting Pin number.

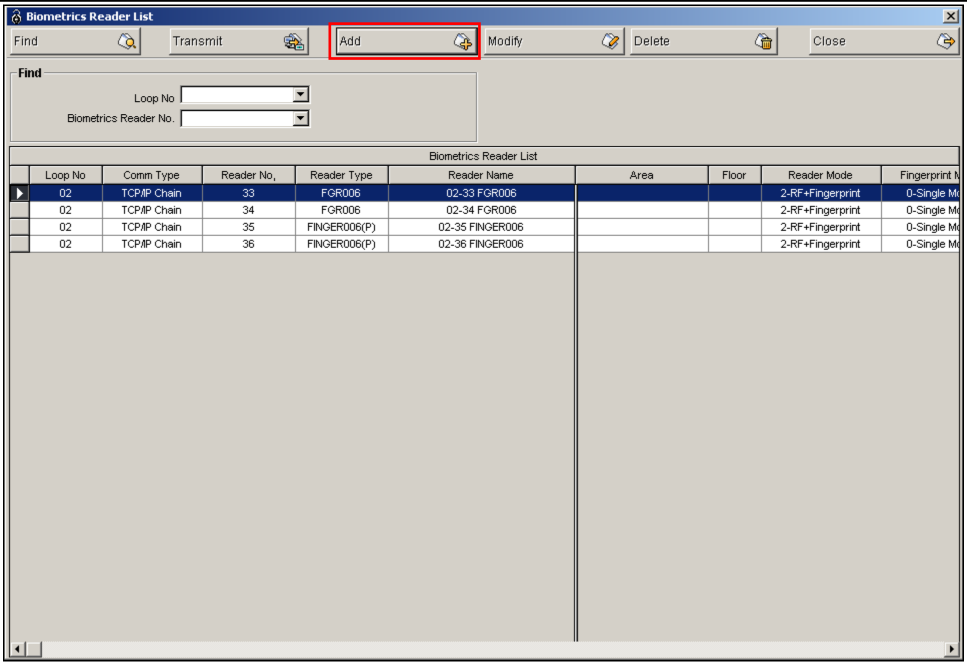
In Not Use mode, PIN mode will not be set.

- Start

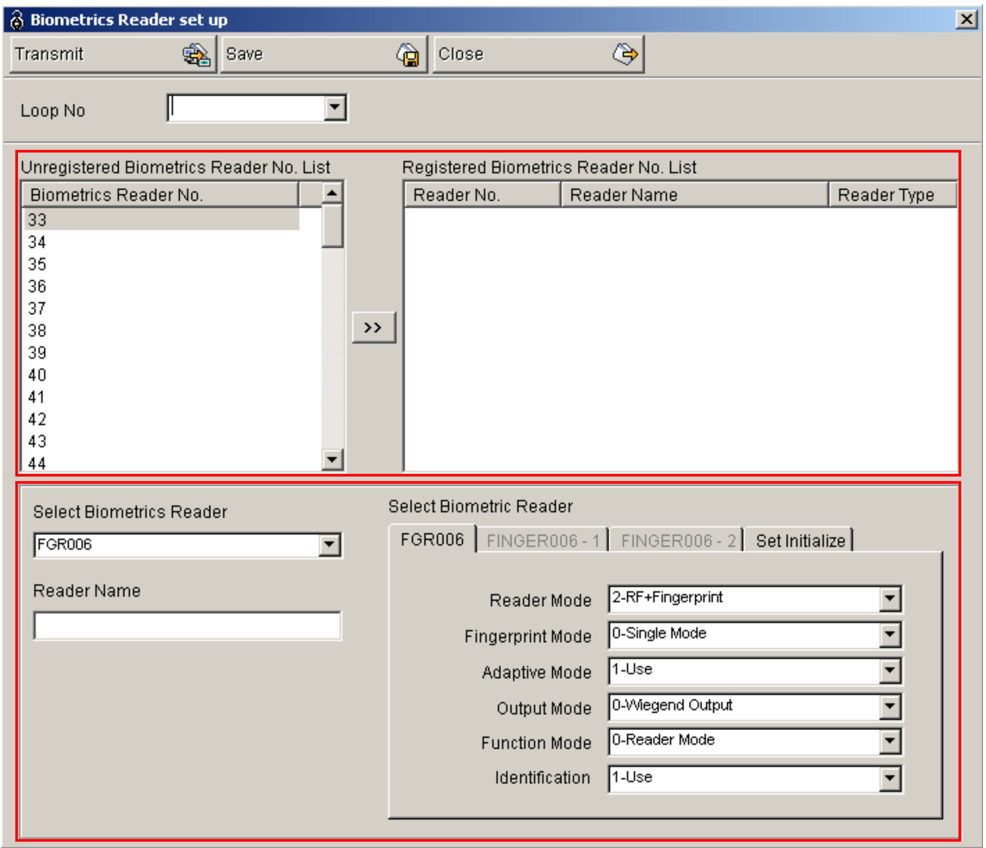
  System -> Click Biometric Reader Definition. Or Press CTRL+C

- Add

  Add is used to make new data. When adding Biometric Reader Click Add and insert a new data.



1) Click Add. Biometric Reader registration form is loaded.



2) Choose Loop number which connected to Biometric Reader. In Loop Registration only registered Loop numbers are shown.

3) Biometric Reader number which is not contained to the chosen Loop is shown to the Unregistered Biometric Reader No. In left side choose Biometric Reader number and

click >> or double-click Biometric Reader then Biometric Reader numbers are registered to the right side Registered Biometric Reader No.

> *Biometric Reader Registration should be setup once at a time.*
>
> *After Registering one Biometric Reader number, insert all the basic data. Insert is done then click save to finish setting up Biometric Reader.*
>
> *Add Biometric Reader and set up continuously as above explanation.*

4) Choose Biometric Reader type.

5) Insert Biometric Readername . This is used in Door/Reader Setup.

6) Set up Biometric Reader function.

7) To apply the items to the Biometric Reader after saving items click Transmit button.

8) Click Save to save items.

9) Click Close to exit.

10) Set up all the items of added Biometric Reader as above.

11) There are 3 tabs you can choose.

    In 'Select Biometric Reader' If you select FGR006 then FGR006 tab will be enabled. Select Reader Mode, Fingerprint Mode, Adaptive Mode, Output Mode, Function Mode and Click 'Save' button to save the data.

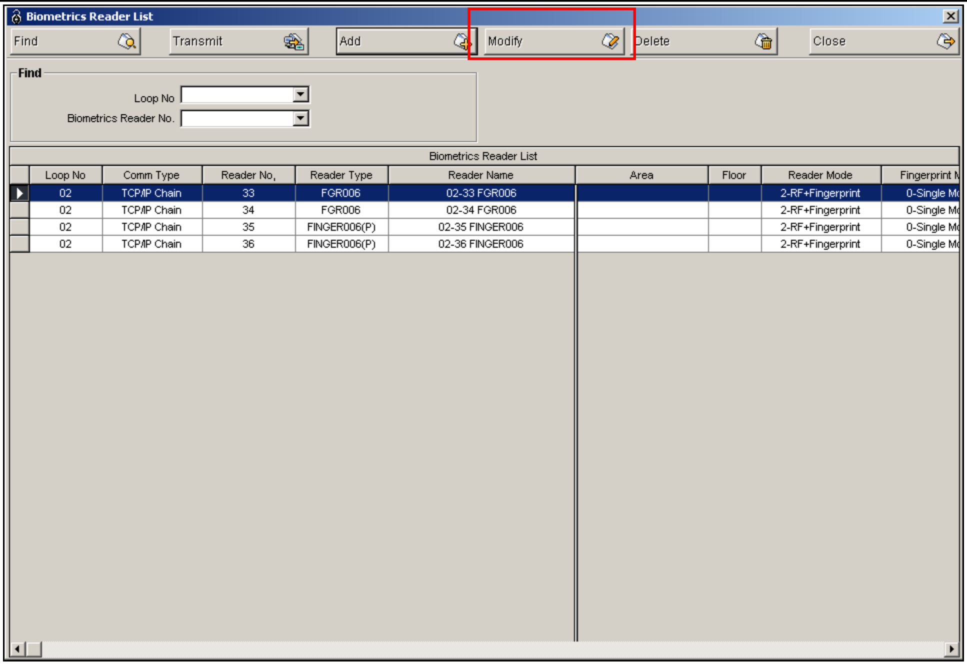
    If you select FINGER006 then FINGER006 tab will be enabled. Select Reader Mode, Fingerprint Mode, Adaptive Mode, Identification, LCD Display, Keypad and Click 'Save' button to save the data

    'Set Initialize' tab is used to initialize system or card data of Biometric reader. Select one to initialize and click 'Save' button to save the data.

- Modify

  Modify is used to change saved data. Through Find function find data or choose data which will be modified.

  Chosed data is displayed as blue bar as below.

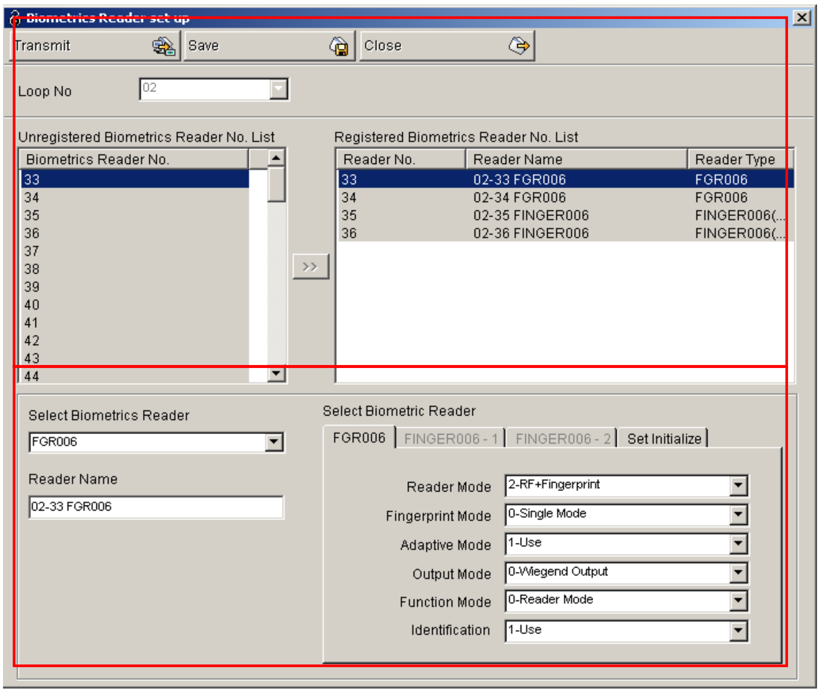


1) Biometric Reader's Modify form is displayed. Biometric Reader's Modify form should be same with Registration form but Loop number cannot be changed and only chosen one Biometric Reader address can be changed.

2) Modify items to modify.

3) Click Save button to save modified data.

4) Click Transmit button to transmit data to the Biometric Reader.



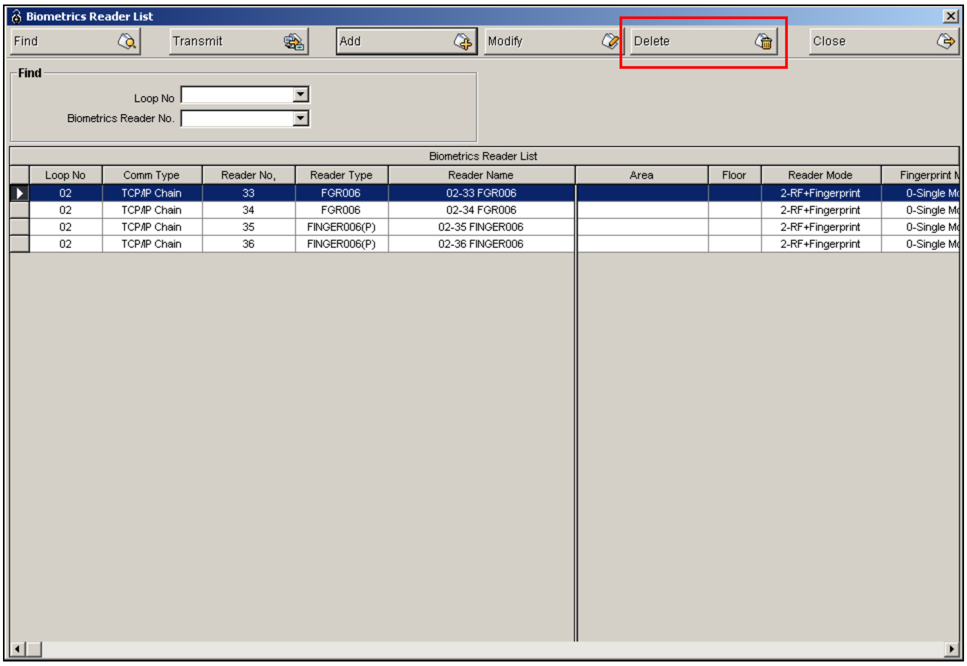
5) Click Close to exit.

6) Modify items of added Biometric Reader as above.

.

- Delete

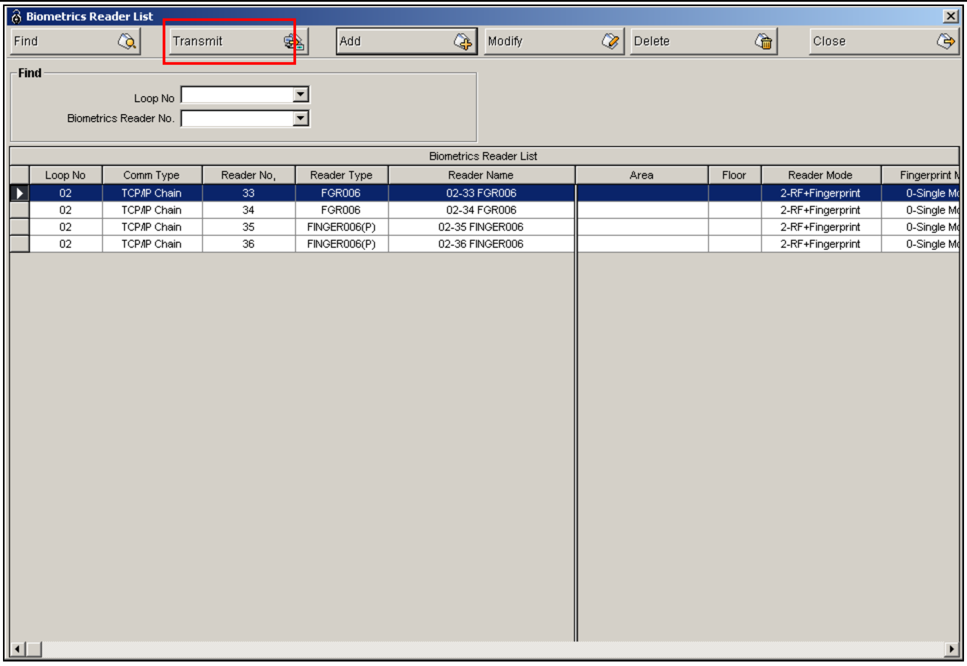
Delete is used to delete saved Biometric Reader data.



1) Click Delete. After clicking Delete, Delete confirmation form is loading. To Delete click Yes and not to delete click No.

- Transmit

Transmit is to send inserted data to the Biometric Reader so that Biometric Reader can work properly.



1) When transmitting through Find function find the data to transmit or choose Biometric Reader to transmit in saved Biometric Reader List.

2) Click Transmit. Through clicking transmitting chosen items are transmitted to the Biometric Reader and applied.

3) If transmission error does not occur Completed message pops up.

4) If error occurs message box displays the error message. In this case it needs to check Biometric Reader error or Communication status.

Door/Reader Definition

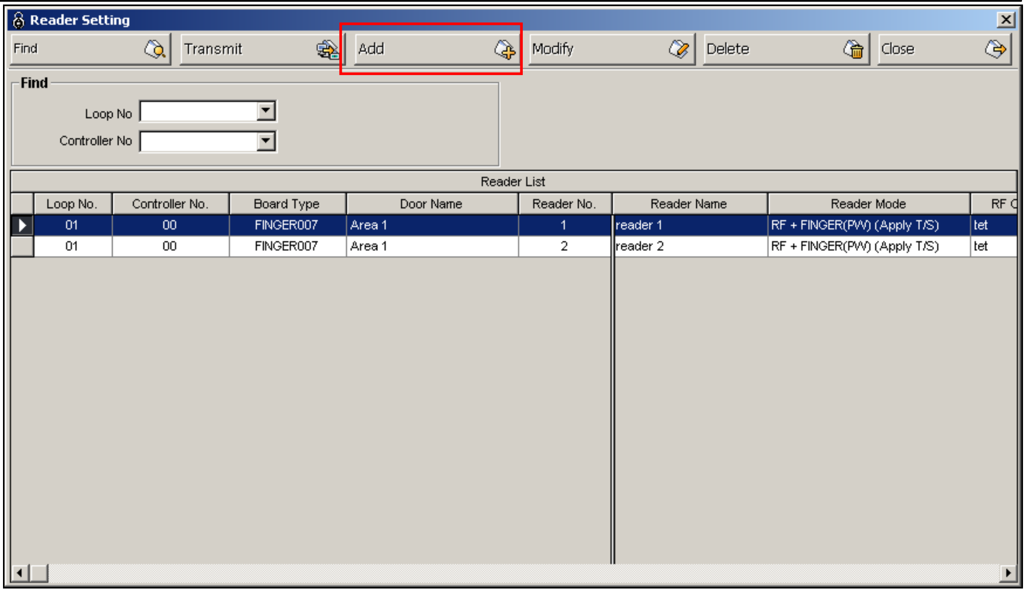
Door/Reader definition explains door and reader data. Door and reader are connected to each controller. Therefore, S/W needs to be defined regarding the door and reader data to control event occurrence and controller.

- Start

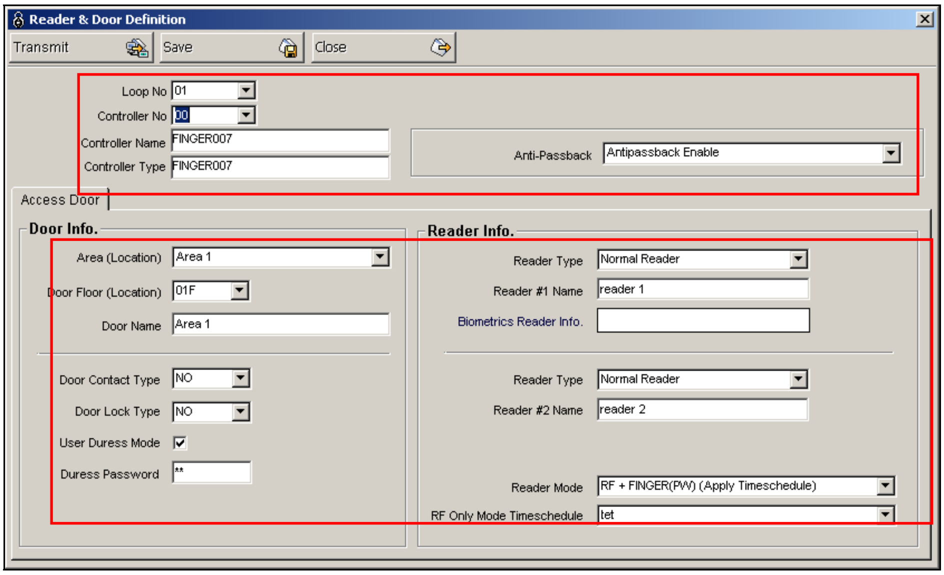
  Select Set Up->Door/Reader Definition or press Ctrl+C button on keyboard.

- Add

  Add is used to create the new data. Select Add to add Door/Reader data through the input screen.



1) Select Add button and the following screen appear.



2) Select Loop No. and Controller No.

3) Anti-Pass back is configured. (For detailed explanation, refer to STARWATCH DUAL PRO II™ initial setup)

4) Input Door Info with area, floor, and name. Area and floor data is according to current installed access doors. (Configure the area/floor of access door through Database->Area/Floor Definition)

For Door Name, input easily identified name for definition.

5) Access door contact type and lock type is optional.

6) Select Duress Mode if to be used, and input a 2-digit password to use Duress.

7) Input data for Reader (In) and Reader (Out).

For Reader Name, input easily identified name for definition.

For Reader Mode, select reader mode for operation.

For all time schedules upon selecting card + pw(fingerprint) ID selection, you can configure to use depending on time to use card ID or card + pw(fingerprint) ID in specified time to change automatically. (This function is connected to time schedule; for detailed explanation, refer to STARWATCH DUAL PRO II™ initial setup)

Configure Reader (In) and Reader (Out), if using 1 access door with 2 readers as In and Out, but if using only 1 reader, configure Reader (In) only.

Reader (In) is controller and reader (Out) is exit reader.

8) Select Save button to save.

9) Select Close button to finish.

Antipassback

Antipassback is the function when In/Out data of user is agreed upon to be given authorization for access.

To use Antipassback, each door needs In/Out reader for operation. If the card was read going in, the same system needs to read it going out. If the card was not read going into the room, you cannot leave the room. Same apply, if the card was not read going out of the room, you cannot go into the room.

Zone, Global Antipassback – Access control via controller connected to 2 or more system configuration. 2 or more readers act as set (In/Out reader) to grant access when In/Out data is agreed.

Duress Mode

Duress mode lets the user gain access when forced upon, by using the 2-digit passcode to activate the internal silent alarm during a duress event occurrence.

Reader Mode

Sends the configuration to the system of how the readers will be used.

For example, if sending as RF +Password mode, the time schedule and reader mode are activated. It will operate in RF only mode during applied time schedule and RF + Password mode outside the applied time schedule.

Once the communication configuration and reader registration is completed, you will need to exit the program and re-enter through login for the configurations to be applied.

Once the program is restarted, if the configurations are accurate, the controller and program will be communicating. Check the status by communication status. If communication is not established, follow the steps below to check.

Check the agreement of program configuration with device.
Check device address configuration.

Initialize device.
Check communication cable connection.
Check converter.

Check communication Loop configuration of PC, whether configured correctly and activating.

Chapter 5

Access Control

STARWATCH DUAL PRO II™ Access Control

This chapter explains specific instructions on Access Control functions in STARWATCH DUAL PRO II™

Set Up

System contains communications, controller, and directly related functions. Configurations are setup for communication port, controller data, reader, door, and various data. Also, the setup values are sent to the controller for application.

System related functions are to proceed after controller and S/W initial installation, and these functions are not used frequently, but plays a critical part during initial setup.

Loop Definition

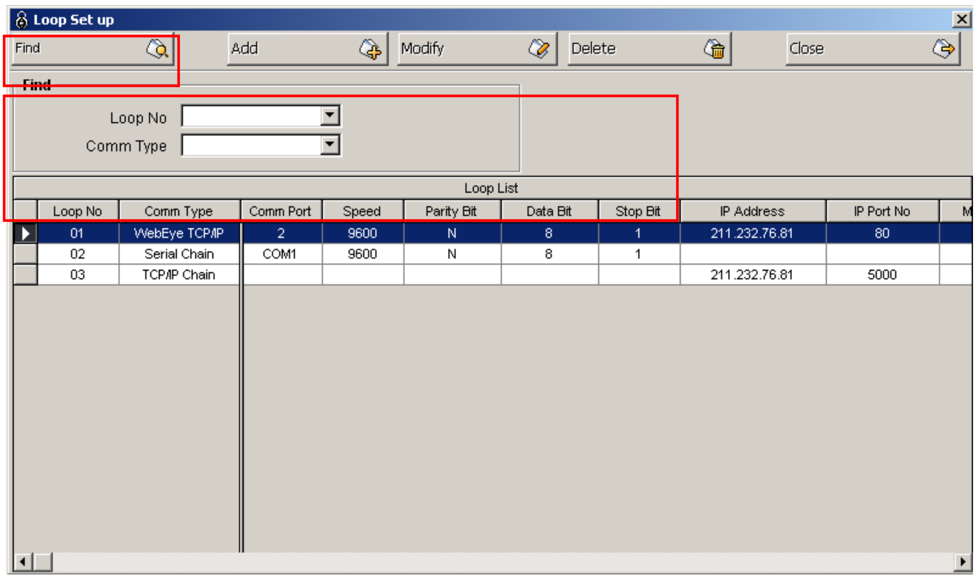
Loop definition describes Serial and TCP/IP communication loop connected to the PC. It supports up to 99 ports, but keep in mind depending on PC performance, memory, and OS, supporting 99 ports may not be possible. It is recommended to use adequate number of ports for usage.

- Start

  Select Set Up-> Loop Definition or press Ctrl+A button on keyboard.

- Find

  Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.



1) Select Loop No. and Comm. Type as appropriate.

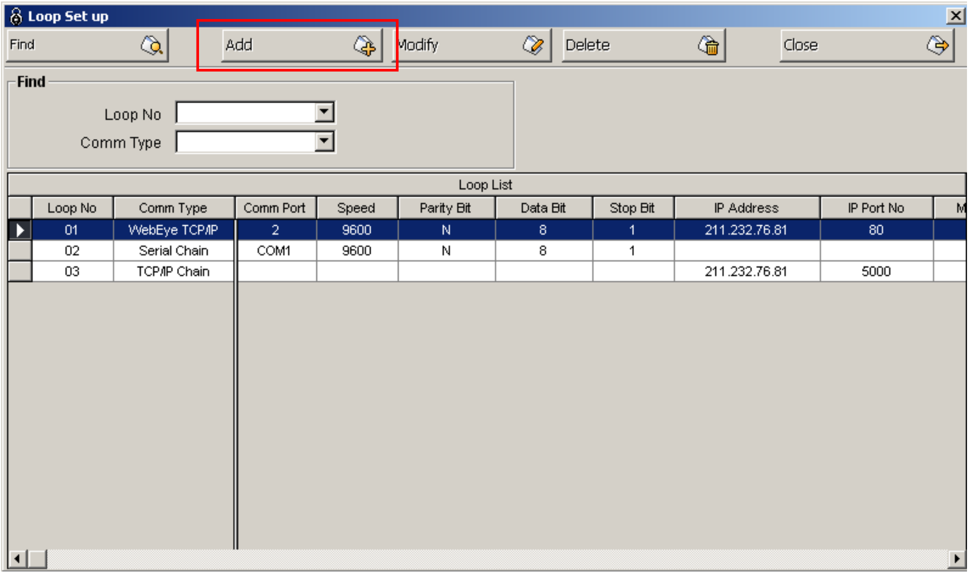
2) Select Find to make an inquiry. If inquired result is available, the following screen appears.

If find has no specific parameters, it will display the entire information

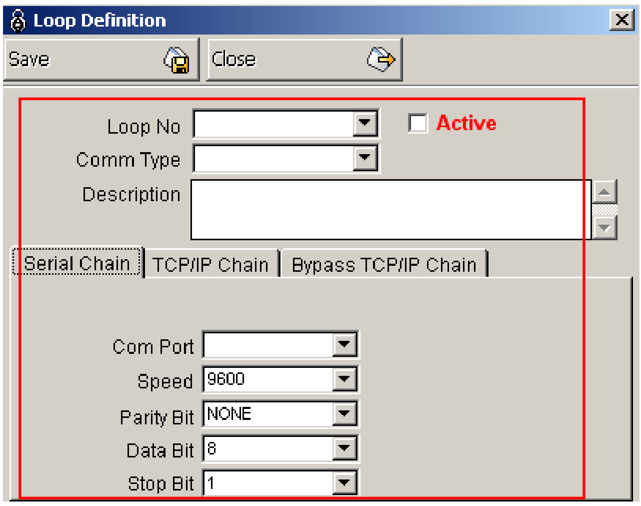
Find Add, Modify and Delete functions are all applied equally in input/output screen. Once you familiarize these functions, you can easily understand them as they are used equally in other input/output screens.

■ Add

Add is used to create new data. Select Add button to add work type data through input screen.



1) Select Add button and the following screen appear.



2) Select Loop No and it will indicate Loop No not used. The Loop NO. being used will not be displayed.

3) Select Comm. Type as Serial Chain for Serial, TCP/IP Chain for TCP/IP and Dial-UP Chain for Dial-Up as communication type.

4) Check mark Active for the correspond Loop to be able to communicate.

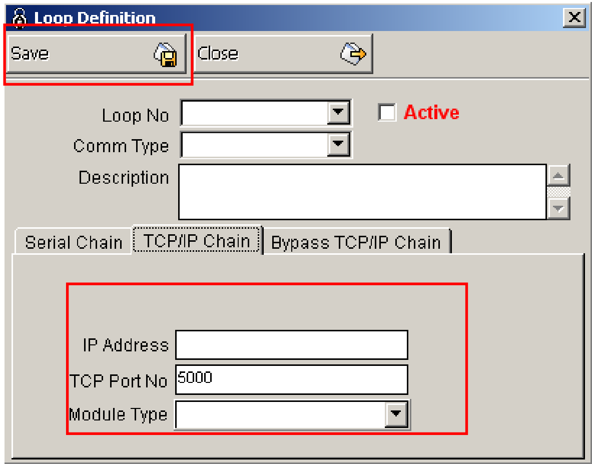
Decide if correspond Loop will be active for communication. Active check mark Loop No communicates, but without a check mark will result in no communication.

This option lets the user make the Loop inactive, if the Loop requires maintenance due to a problem in communication. User can fix the problem while other locations remain with active ports.

If the Loop data is modified, you must close the program and restart.

5) Select from Serial Chain tab, Comm. Port, Speed, Parity Bit, Data Bit, and Stop Bit. The default value is Speed 9600, Parity Bit None, Data Bit 8, and Stop Bit 1 for configuration.

6) Input screen changes if TCP/IP Chain is selected.



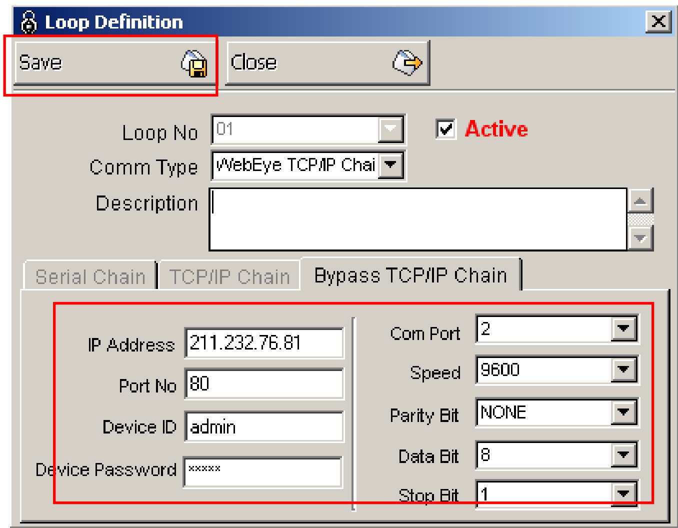
Input the IP Address from the external converter for configuration.

Input TCP Loop No. as default value 5000. (Port No. is fixed at 5000)

Select Module Type as external version.

For detailed instructions on TCP/IP communication, refer to chapter 7 STARWATCH DUAL PRO II™ TCP/IP Communication.

7) Input screen changes if TCP/IP Chain is selected.



In the IP address window, input the address of the external TCP/IP converter (Webeye).

Input 80 as default value for TCP Loop No.

Input Device ID and Device Password to connect the Converter. Device ID and Device Password can be registered using the setting program.

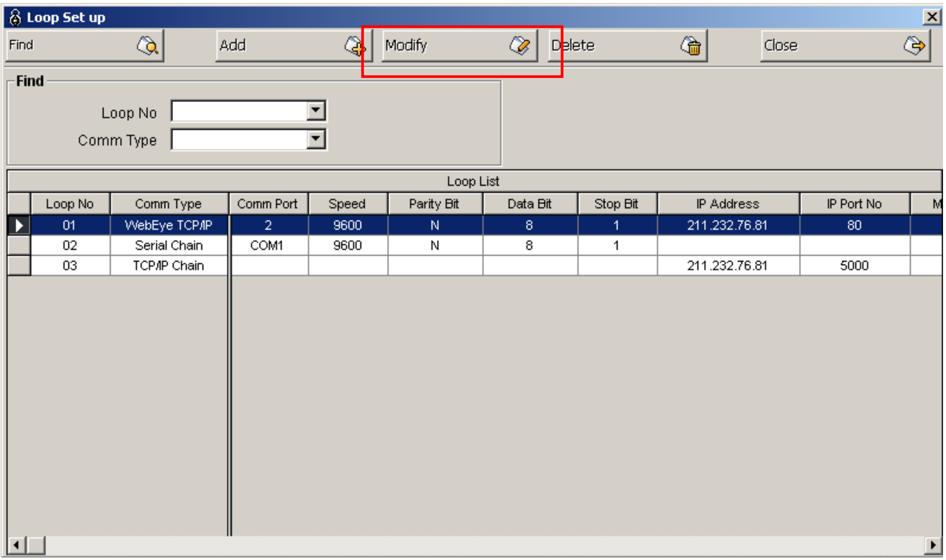
Com Port, Speed, Parity Bit, Data Bit and Stop Bit must be selected the same value set by converter setting program.

8) Select Save button to save data, and select Close button to finish.

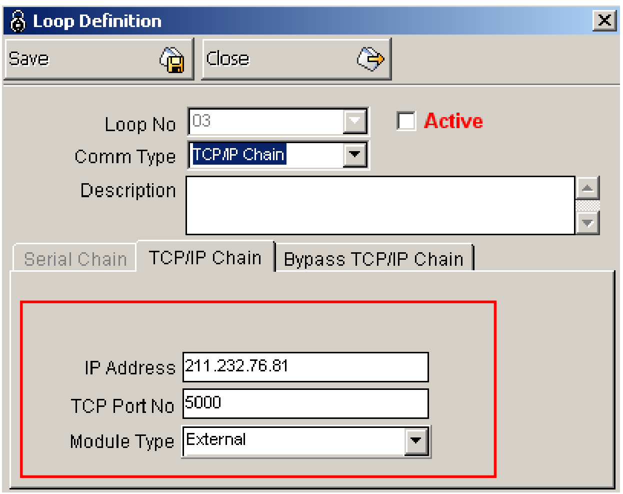
■ Modify

Modify is used to change existing data. Find data to modify or to change registered work time category.

Selected data is displayed as below figure in highlighted bar.



1) Select Modify to see the above screen. The Loop List is equal to registration screen. Therefore, the Loop NO. cannot be modified.



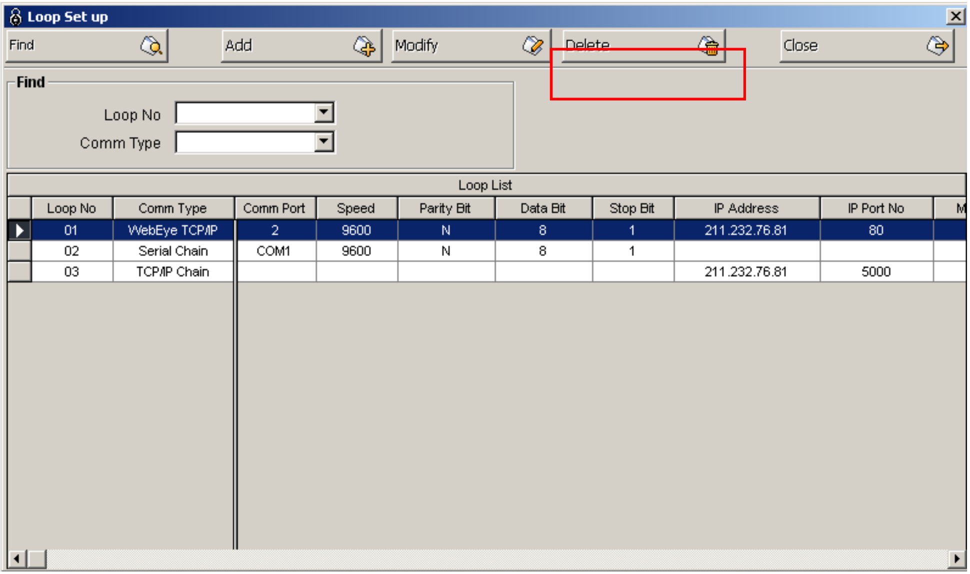
2) Modify the items that need changing. Once completed, select Save button to save the modify data.

3) Select Close button to finish.

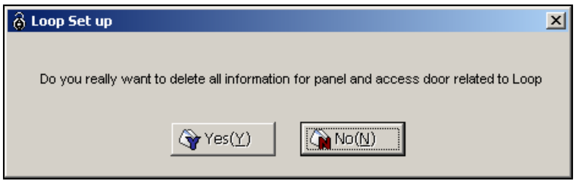
■ Delete

Delete is used to delete existing data. Find data to delete or to delete registered category list data.

Selected data is displayed as below figure in highlighted bar.



1) Select Delete button. The screen below will appear. Select Yes button to delete or No button to cancel.



Deleting the registered Loop will erase all data of controller, access door, and reader. Please use extreme caution when using this function.

Controller Definition

Controller Definition explains data definition of controller. Each controller has its own communication address. By address type, the S/W data is defined and communicated. Also, each controller can have its own function options, and these options are sent to the controllers for application.

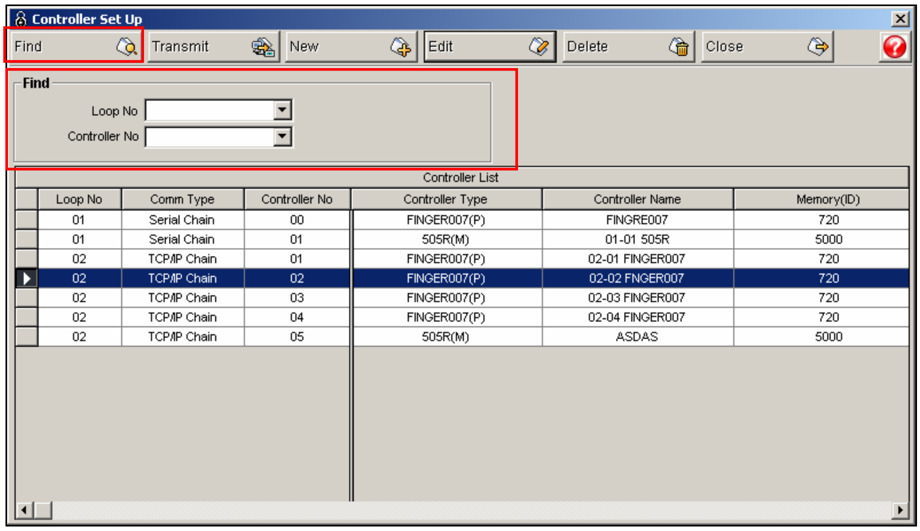
Complete all initial setup and reboot the program, and make certain communication is established before using transmit function.

■ Start

Select Set Up->Controller Definition or press Ctrl+B button on keyboard.

■ Find

Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.



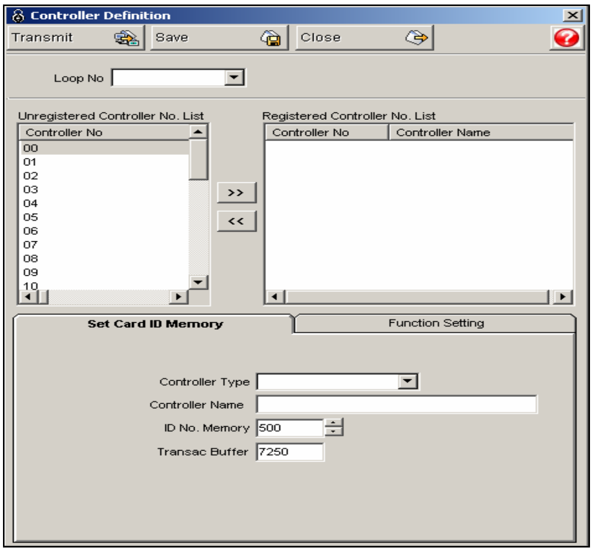
1) Select Loop No. and Controller No. as appropriate.

2) Select Find to make an inquiry. If inquired result is available, it will display the results.

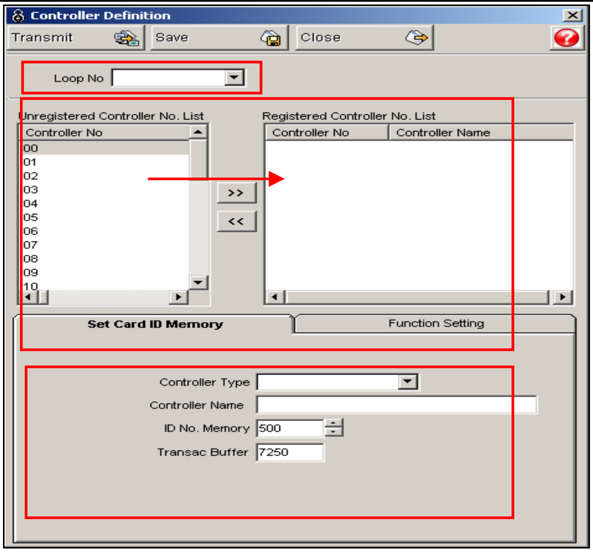
> *If find has no specific parameters, it will display the entire information*

■ Add

Add is used to create new data. Select Add button to add work type data through input screen.



1) Select Add button and the following screen will appear.



2) Select Loop No. It displays only the Loop No. that was registered in Loop Registration.

3) Unregistered Controller No. List displays items not selected from Loop No. Select the Controller No. to be registered choosing and selecting >> button or double click the Controller No. to select and it will show up on the right hand side Registered Controller No. List.

Controller registration must be done one at a time to setup.

It will register one controller number with its basic data for configuration. Select Save button to complete the process.

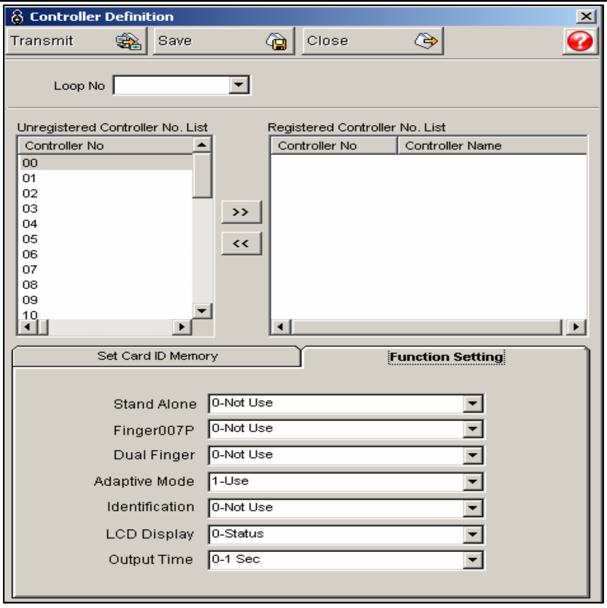
Repeat the procedure to add additional controllers.

4) Select Controller Type as controller type.

5) Input Controller Name. This is a must in order to define the location, when an event occurs to a controller.

6) Configure card memory. Depending on card memory setup, the event memory is automatically setup. Configure adequate amount of card and event memory.

7) After setup is completed in 'Set Card ID Memory', please click 'Function Setting' tab. Following screen will be shown up.



8) These items in 'Function Setting' is Type in Controller and user can select the type.

  a. Stand Alone is used to select whether new data will be filed or ignored when memory is full. Default value is 'Not Use'

  b. Finger007P is used to select whether Pin mode will be activated or no. Default value is 'Not Use'

  c. Dual Finger is used to register fingerprint in registration mode whether single fingerprint is used or dual fingerprints are used. Default value is 'Not Use'

  d. Adaptive Mode is used to enhance fingerprint verification rate. Default value is 'Use'

  e. Identification is used to access door only by fingerprint. Default value is 'Not Use'

  f. LCD Display is to select whether access status will be shown up or card number will be shown up. Default value is 'Status'

  g. You can set Output Time 1Sec or 0.1Sec. Default value is 1Sec.

9) Select Save button to save data.

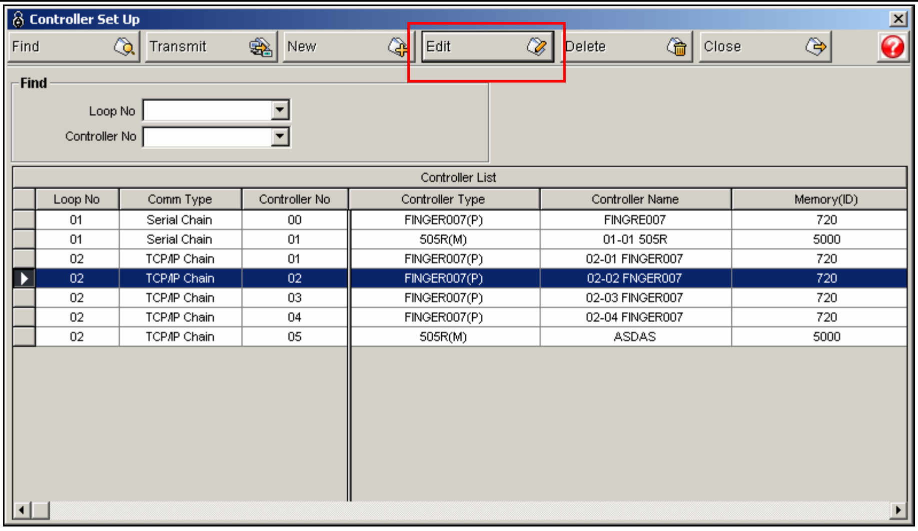
10) Select Transmit button to send setup data to controller for memory setup.

> *When setup is performed for all controller, program, and related data, it is not active until transmitted to controller. It is possible the transmit function may not work properly.*

11) Select Close button to finish.

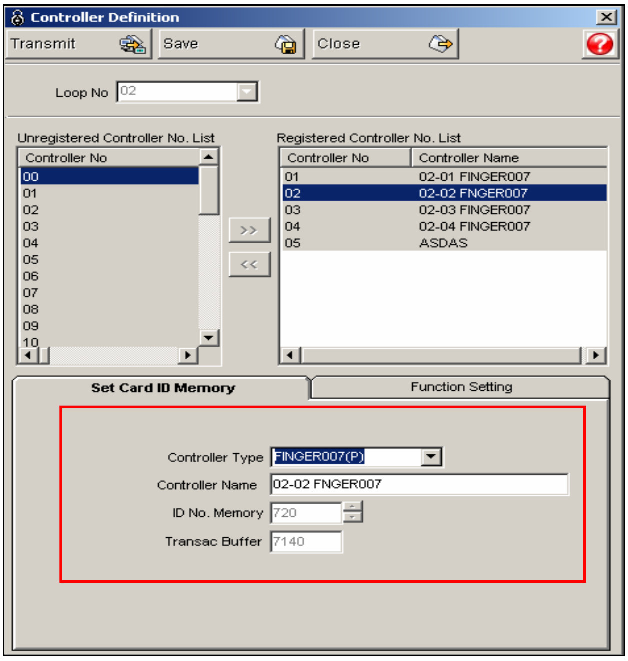
■ Modify

Modify is used to change existing data. Find data to modify or to change registered controller category. Selected data is displayed as below figure in highlighted bar.

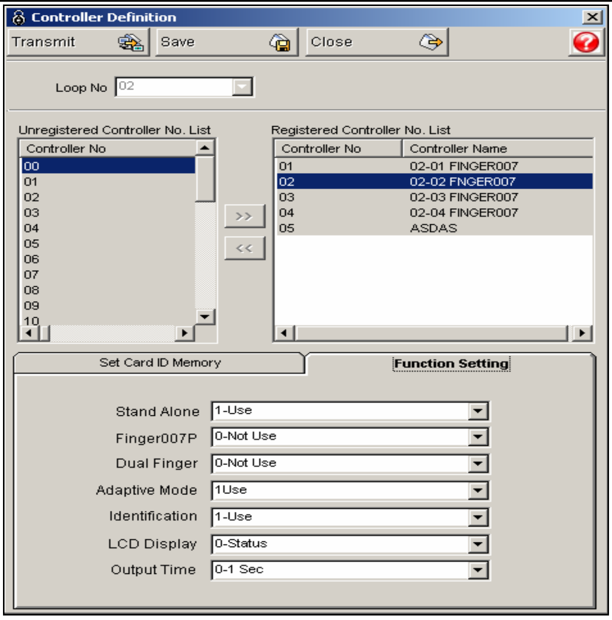


1) Select Modify to see the following screen. The Controller Modify is equal to registration screen. However, the Loop No cannot be changed, and modify is possible to the selected controller address.

A.



B.



Modify the items that need changing. And 505R and ICON100 can be changed only LCD Display and Output Time in 'Function Setting'.

2) Select Save button to save the modified information.

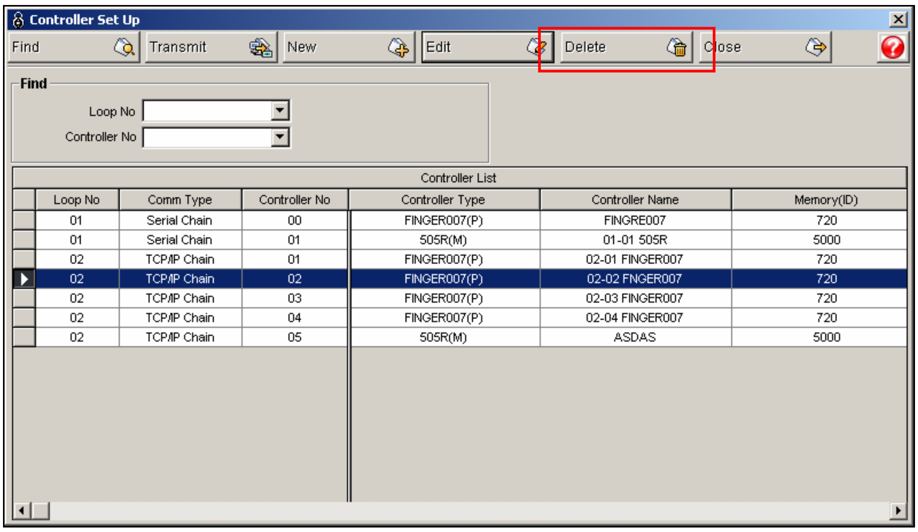
3) Select Transmit button to send setup data to controller for memory setup.

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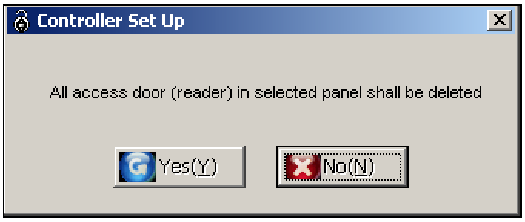
4) Select Close button to finish.

■ Delete

Delete is used to delete existing saved data. Find data to delete or to delete registered controller category data. Selected data is displayed as below figure in highlighted bar.



1) Select Delete button. The screen below will appear. Select Yes button to delete or No button to cancel.

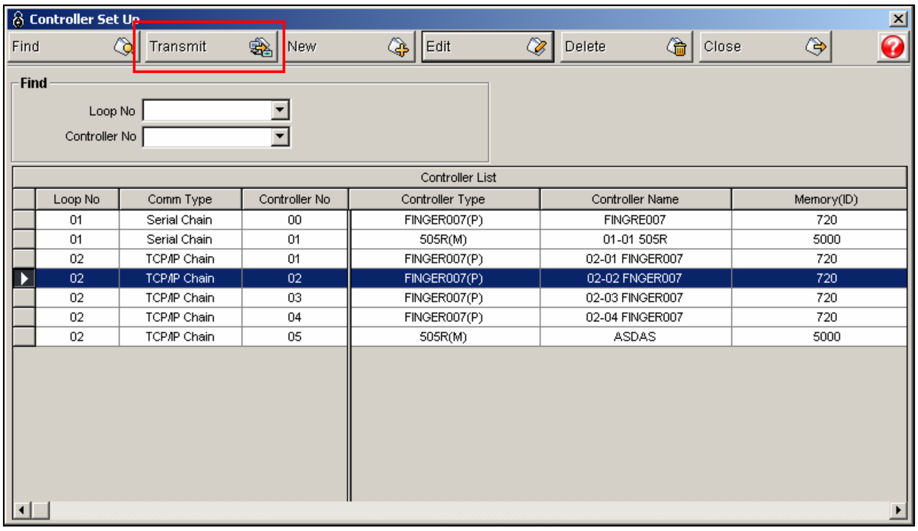


Deleting the registered controller will erase all data of controller, access door, and reader. Please use extreme caution when using this function.

- Transmit

This function is used to send the setup functions to the controller for activation. Use Find to search for data transmit or select the data from the registered controller categories to send.

Selected data is displayed as below figure in highlighted bar.



1) Select Transmit button. This will send the selected data to the corresponding Controller No for application.

If an error does occur, detailed explanation is displayed in a message box.

In this case, retransmit the data, but if the error continues, check the communication and controller for problems.

Biometric Reader Definition

Biometric Reader Definition defines Biometric Reader connected to the Controller. To transmit user's fingerprint or manage reader it is required to setup Biometric Reader items.

To transmit user's fingerprint and manage reader Biometric Reader it needs to be composed with communication line and Biometric Reader should have address over 33. And reader address cannot have the same address with controller which connected to the same **Port**. . Refer to the Biometric Reader manual to setup.

In this menu you can manage reader setup and reader function.

Available function :

FGR006 : Reader Mode , Fingerprint Mode , Adaptive Mode, Output Mode, Function Mode, Identification

FINGER006 : Reader Mode , Fingerprint Mode , Adaptive Mode, Identification, LCD Display, Key Pad, Finger006P, Output Mode, Output Type, Input Mode

Reader Mode

Card Reading Mode of Biometric Reader.

RF Only, Through card reading, card number is tranmitted to the controller.

RF+FINGER, After card reading, fingerprint is confirmed. Both card reading and fingerprint confirmation are finished then card number is transferred to the controller.
If scanning for fingerprint is not working after reading card the user is not registered fingerprint. And after confirmation of fingerprint the door is not opened then either confirmation of fingerprint is failed or confirmation of controller is failed.

Confirmation failure : Unregistered User.

Fingerprint Mode

Set up the count of fingerprint in Biometric Reader.

*In **Single mode**. you should register fingerprint of one person two times.*
This makes the security rate of confirmation of fingerprint higher.

*In **Dual Mode**, fingerprints of different finger are registered separately.*
It is allowed to register one fingerprint two times.
Dual Mode is for replacing broken fingerprint with second registered fingerprint.

Adaptive Mode

Used to make scanning rate higher. Not to make Confirmation rate higher.
In Use Scanning module flicking.
In Not Use Scanning module is on continuously.

Output Mode

Set up card data print type which transmit from Biometric Reader to the controller.

This is the way transmitting Card number in RF Only or RF + FINGER in Biometric Reade. Set up controller's receipt reader type which receive card number.

0 – 26 Bit Wiegend , 1 – ABA Track II (10 Char)

Must setup 0 – 26 Bit Wiegend in Controller.

Function Mode

Setup Biometric reader's function.

Reader Mode is to read card and confirm fingerprint.

Reg Mode is same with the registationof fingerprint reading Master Card.
When using this mode automatically changed to the fingerprint registration mode.
After finishing fingerprint registration and deletion to use normally you should change to the Reader Mode.

Identification

This is Automatch function. This function makes it possible to grant cardholder verification only by fingerprint without card.

If mode is Not Use, according to mode cardholder should verify by card or card + fingerprint.

If mode is Use, it is possible to verify only by fingerprint without card or pin input.

LCD Display

This function is to show cardholder card verification status or cardnumber.

In Status mode, it displays verified status or not verified status after card or fingerprint verification has finished.

In Use mode, it displays only card number regardless of verification success or verification failure.

Key Pad

This function is to set whether Key Pad will be used or not.

In Use mode, it is possible to verify card by using Key Pad.

In Not Use mode, it is not possible to verify card by using Key Pad. Key pad won't be operated.

Finger006P

This function is to set whether PIN mode will be used or not in Finger006. It will be set automatically and user won't be allowed to use this mode. So don't change this mode as you please.

In Use mode, it will displayed as FINGER006P on LCD screen and this makes it possible to verify cardholder just by inputting Pin number.

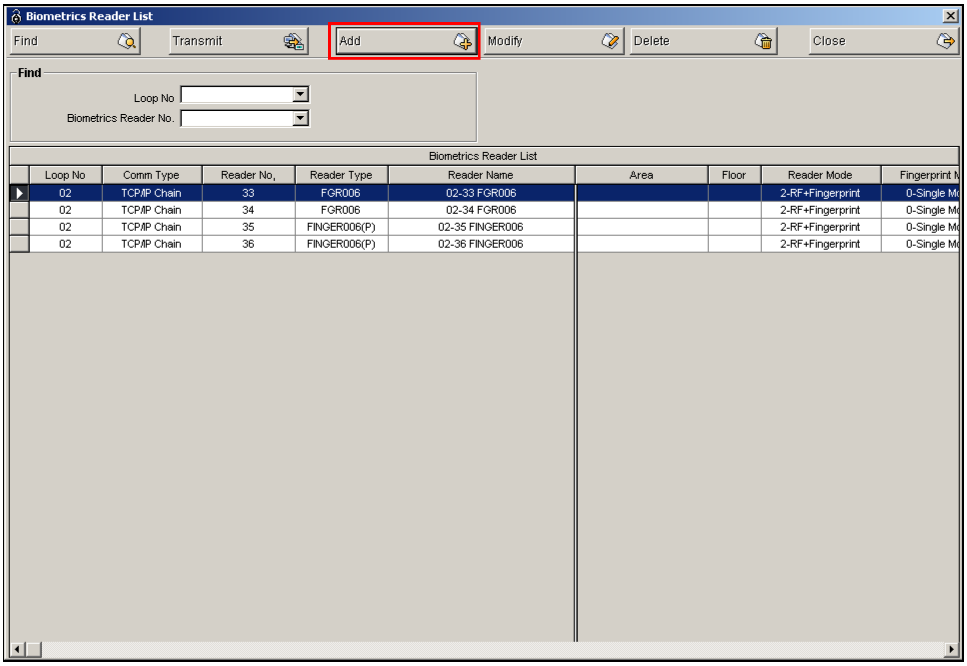
In Not Use mode, PIN mode will not be set.

- Start

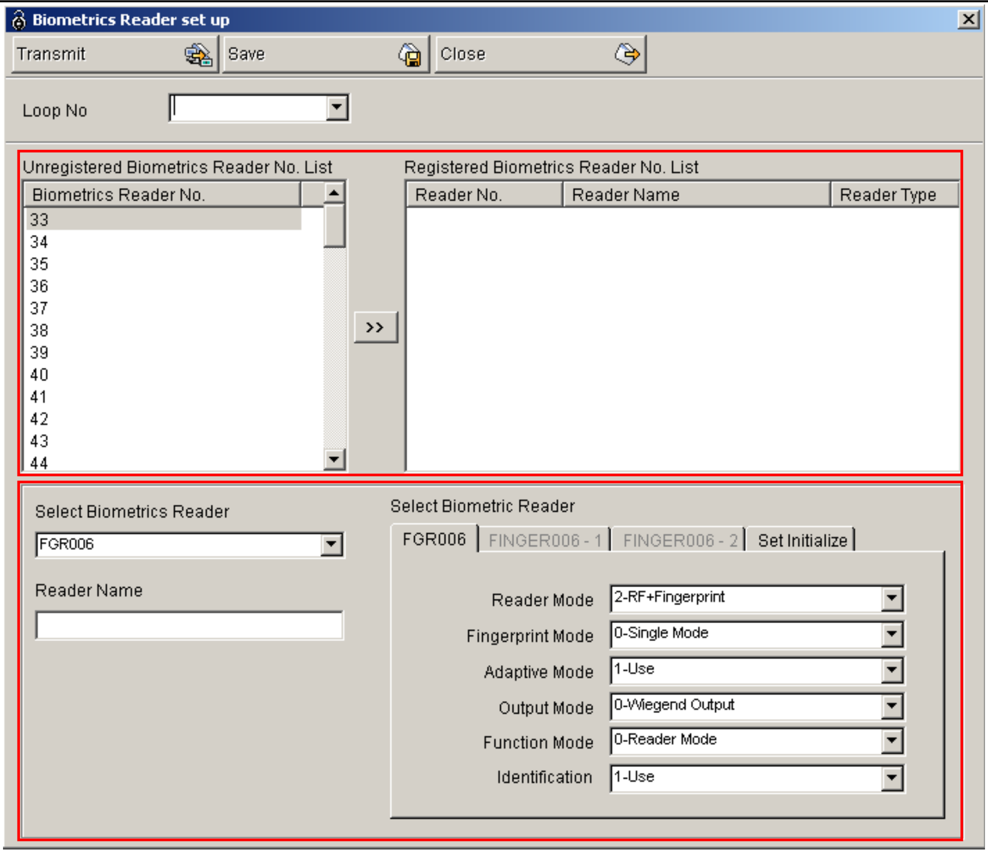
  System -> Click Biometric Reader Definition. Or Press CTRL+C

- Add

  Add is used to make new data. When adding Biometric Reader Click Add and insert a new data.



1) Click Add. Biometric Reader registration form is loaded.



2) Choose Loop number which connected to Biometric Reader. In Loop Registration only registered Loop numbers are shown.

3) Biometric Reader number which is not contained to the chosen Loop is shown to the Unregistered Biometric Reader No. In left side choose Biometric Reader number and click >> or double-click Biometric Reader then Biometric Reader numbers are registered to the right side Registered Biometric Reader No.

Biometric Reader Registration should be setup once at a time.

After Registering one Biometric Reader number, insert all the basic data. Insert is done then click save to finish setting up Biometric Reader.

Add Biometric Reader and set up continuously as above explanation.

4) Choose Biometric Reader type.

5) Insert Biometric Readername . This is used in Door/Reader Setup.

6) Set up Biometric Reader function.

7) To apply the items to the Biometric Reader after saving items click Transmit button.

8) Click Save to save items.

9) Click Close to exit.

10) Set up all the items of added Biometric Reader as above.

11) There are 3 tabs you can choose.

In 'Select Biometric Reader' If you select FGR006 then FGR006 tab will be enabled. Select Reader Mode, Fingerprint Mode, Adaptive Mode, Output Mode, Function Mode and Click 'Save' button to save the data.

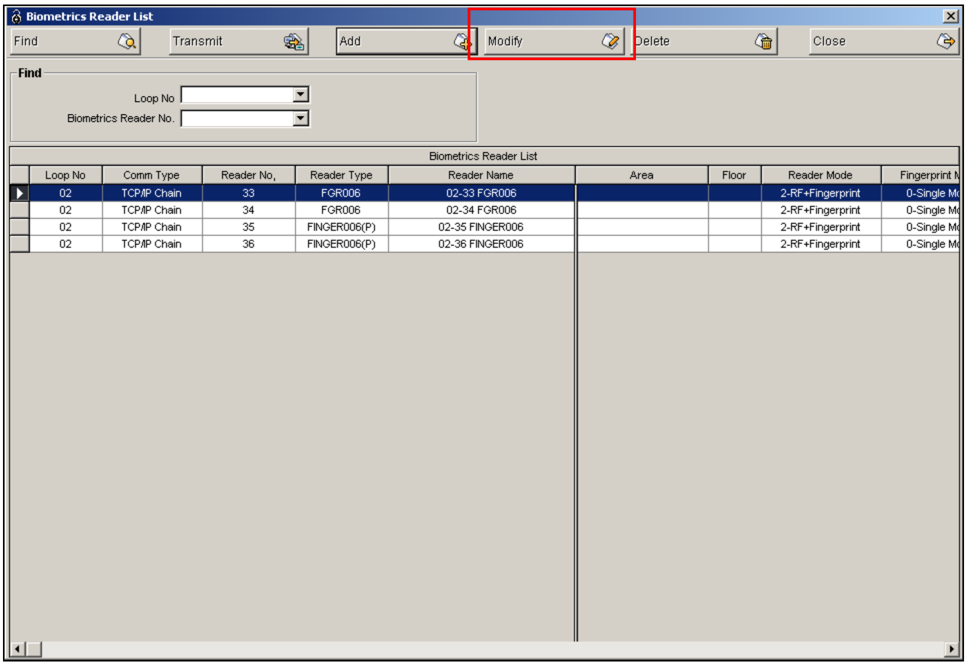
If you select FINGER006 then FINGER006 tab will be enabled. Select Reader Mode, Fingerprint Mode, Adaptive Mode, Identification, LCD Display, Keypad and Click 'Save' button to save the data

'Set Initialize' tab is used to initialize system or card data of Biometric reader. Select one to initialize and click 'Save' button to save the data.

- Modify

Modify is used to change saved data. Through Find function find data or choose data which will be modified.

Chosed data is displayed as blue bar as below.

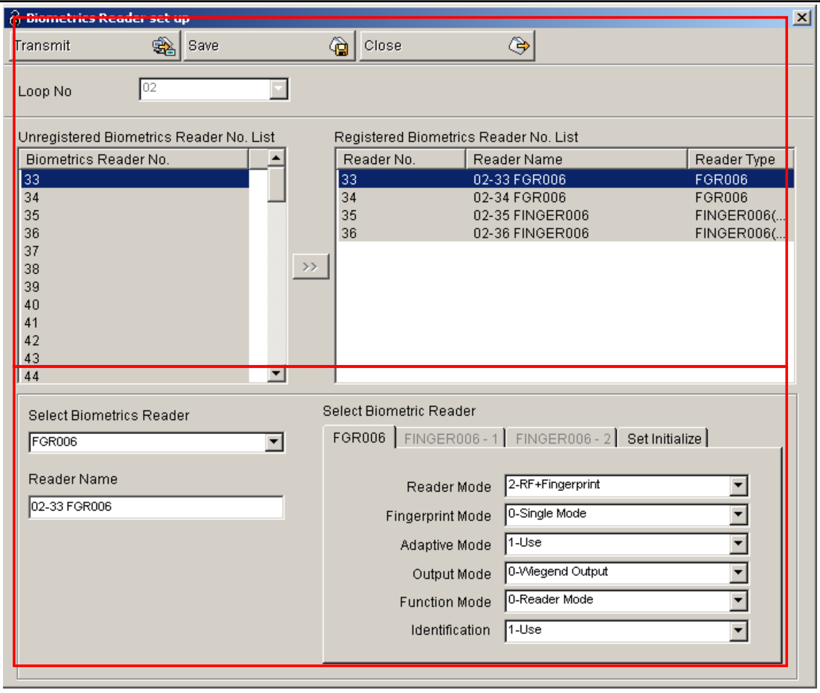


1) Biometric Reader's Modify form is displayed. Biometric Reader's Modify form should be same with Registration form but Loop number cannot be changed and only chosen one Biometric Reader address can be changed.

2) Modify items to modify.

3) Click Save button to save modified data.

4) Click Transmit button to transmit data to the Biometric Reader.



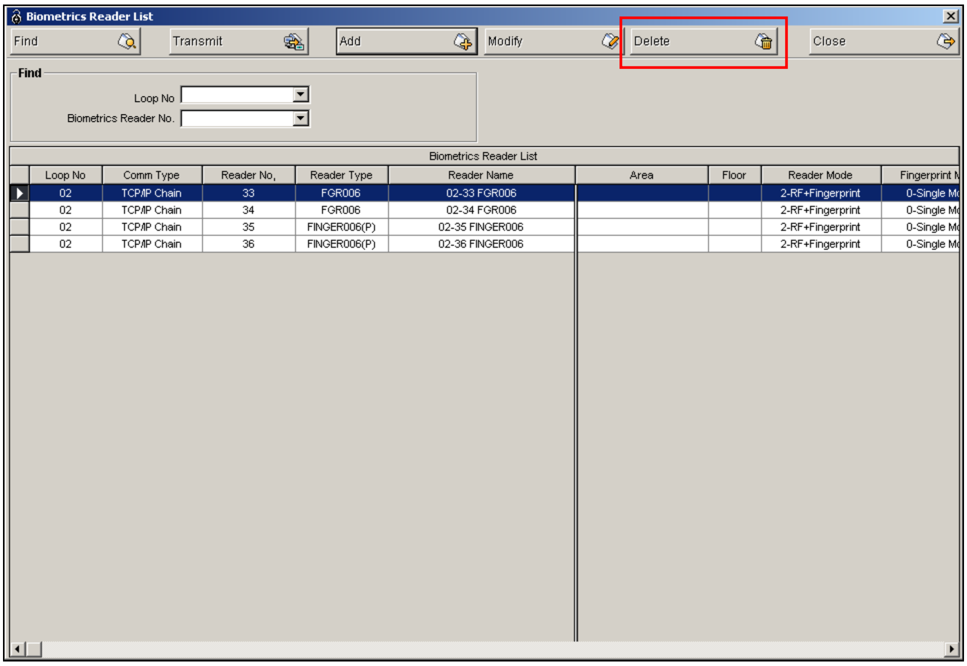
5) Click Close to exit.

6) Modify items of added Biometric Reader as above.

.

■ Delete

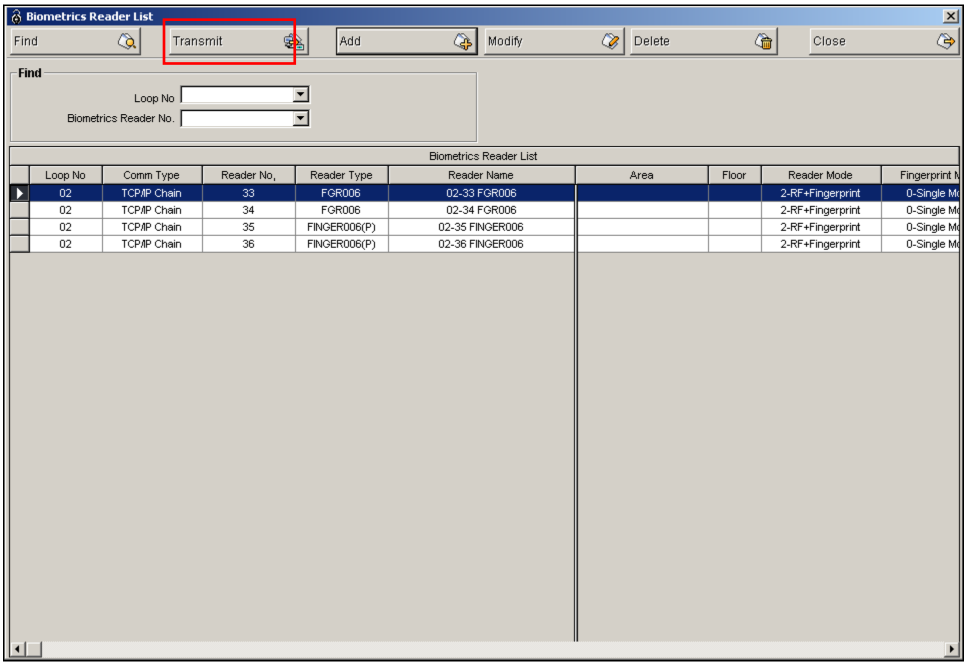
Delete is used to delete saved Biometric Reader data.



1) Click Delete. After clicking Delete, Delete confirmation form is loading. To Delete click Yes and not to delete click No.

- Transmit

Transmit is to send inserted data to the Biometric Reader so that Biometric Reader can work properly.



1) When transmitting through Find function find the data to transmit or choose Biometric Reader to transmit in saved Biometric Reader List.

2) Click Transmit. Through clicking transmitting chosen items are transmitted to the Biometric Reader and applied.

3) If transmission error does not occur Completed message pops up.

4) If error occurs message box displays the error message. In this case it needs to check Biometric Reader error or Communication status.

Door/Reader Definition

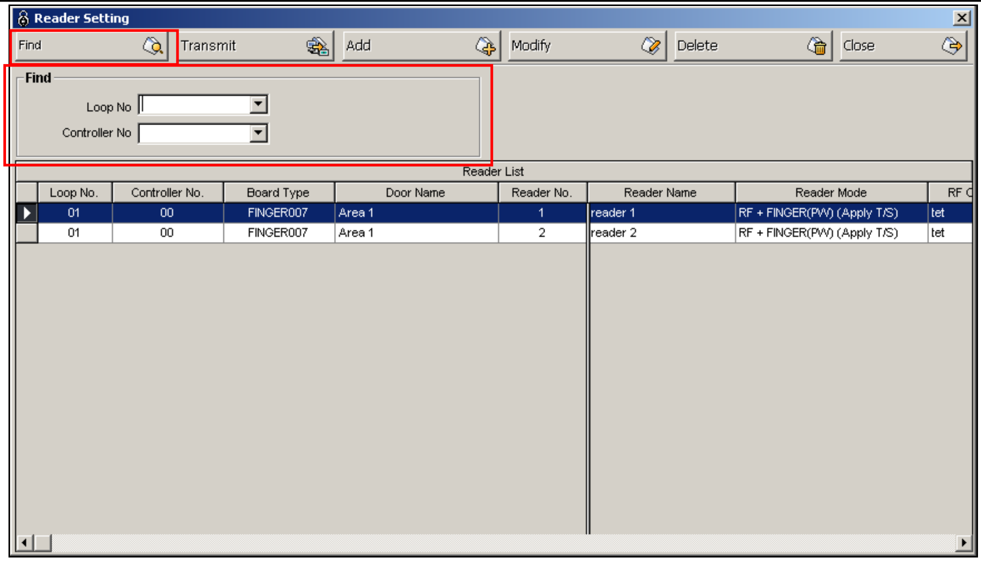
Door/Reader definition explains door and reader data. Door and reader are connected to each controller. Therefore, S/W needs to be defined regarding the door and reader data to control event occurrence and controller.

- Start

  Select Set Up->Door/Reader Definition or press Ctrl+C button on keyboard.

- Find

  Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.



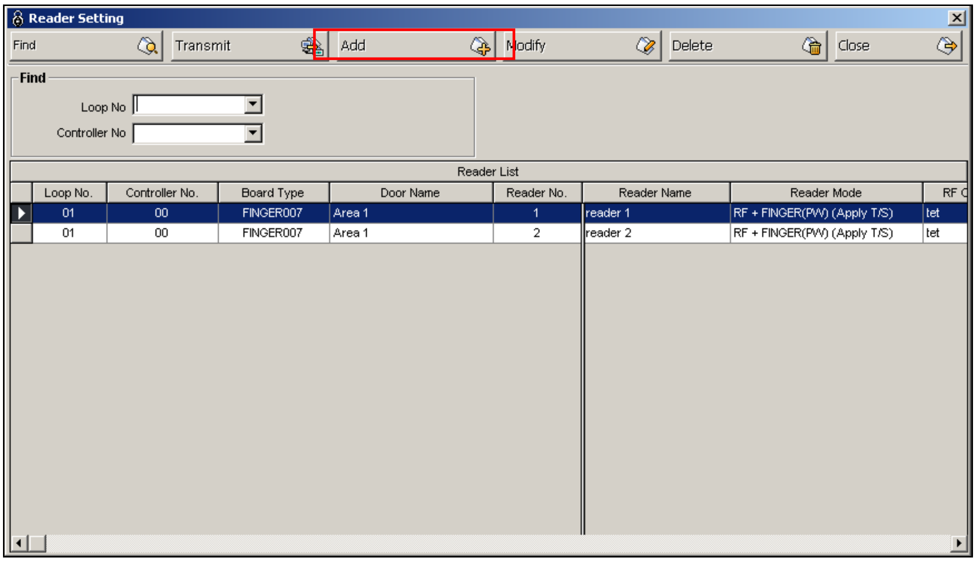
1) Select Loop No. and Controller No. as appropriate.

2) Select Find to make an inquiry. If inquired result is available, the following screen appears.

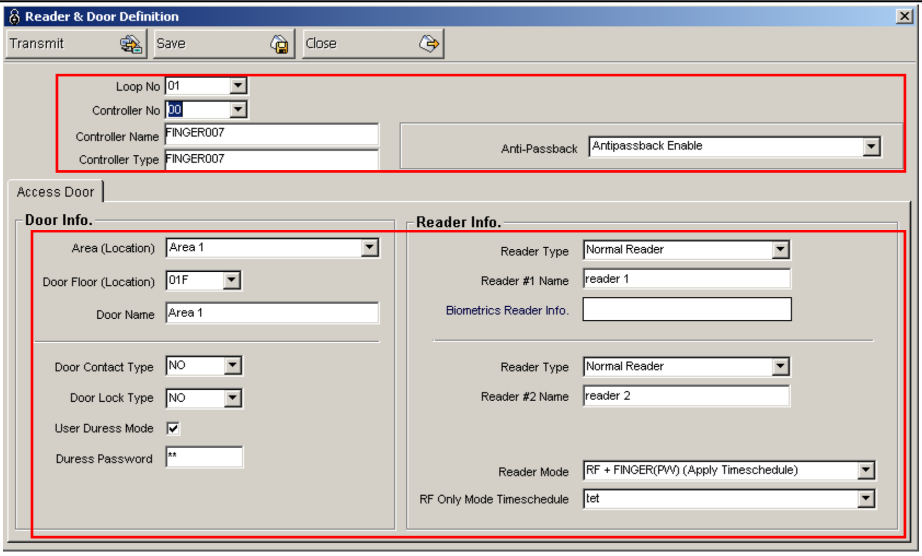
If find has no specific parameters, it will display the entire information

■ Add

Add is used to create new data. Select Add to add Door/Reader data through the input screen.



1) Select Add button and the following screen appear.



2) Select Loop No. and Controller No.

3) Anti-Passback is configured. (For detailed explanation, refer to chapter 4 STARWATCH DUAL PRO II™ initial setup)

4) Input Door Info with area, floor, and name. Area and floor data is according to current installed access doors. (Configure the area/floor of access door through Database->Area/Floor Definition)

   For Door Name, input easily identified name for definition.

5) Access door contact type and lock type is optional.

6) Select Duress Mode if to be used, and input a 2-digit password to use Duress.

7) Input data for Reader (In) and Reader (Out).

   For Reader Name, input easily identified name for definition.

   For Reader Mode, select whether using card ID or card + pw for operation. (You will need keypad reader to use this setup)

   For all time schedules upon selecting card + pw ID selection, you can configure to use depending on time to use card ID or card + pw ID in specified time to change automatically. (This function is connected to time schedule; for detailed explanation, refer to chapter 4 STARWATCH DUAL PRO II™ initial setup)

8) Select Save button to save.

9) Select Transmit button to transmit setup data to controller for Antipassback Set up, Duress Mode, Reader Mode and Reader Mode Timeschedule.

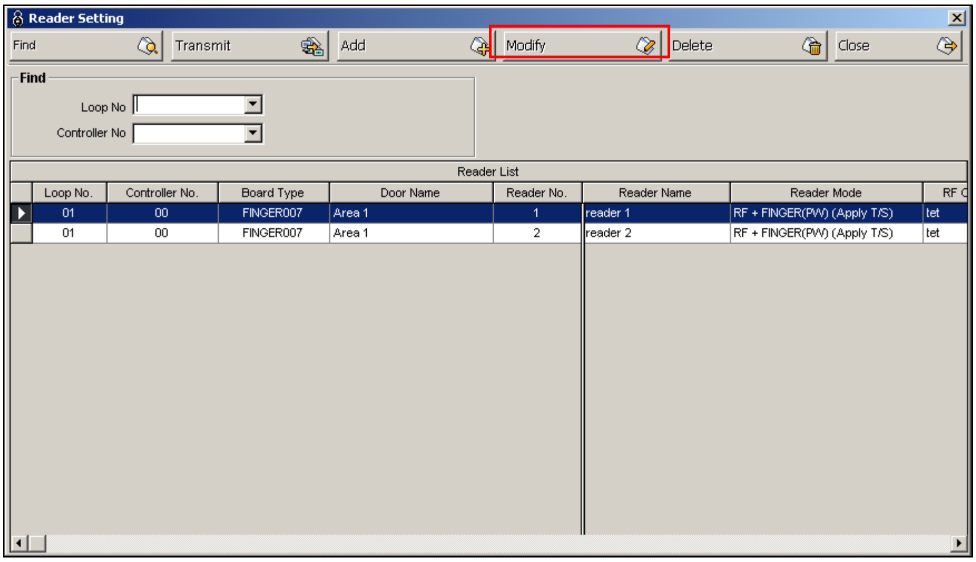
> *When setup is performed for all controller, program, and related data, it is not active until transmitted to controller. It is possible the transmit function may not work properly.*

10) Select Close button to finish.

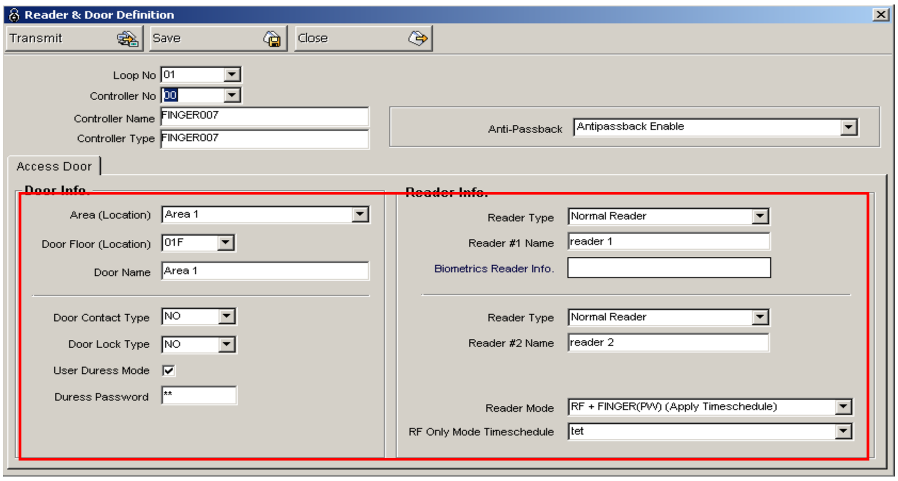
- Modify

Modify is used to change existing data. Find data to modify or to change registered reader category.

Selected data is displayed as below figure in highlighted bar.



1) Select Modify to see the following screen. The Reader/Door Definition is equal to registration screen. However, the Loop No and Controller No cannot be modified.



2) Modify category that needs changing. Once completed, select Save button to save modified data.

3) Select Transmit button to send setup data to controller.

When setup is performed for all controller, program, and related data, it is not active until transmitted to controller. It is possible the transmit function may not work properly.

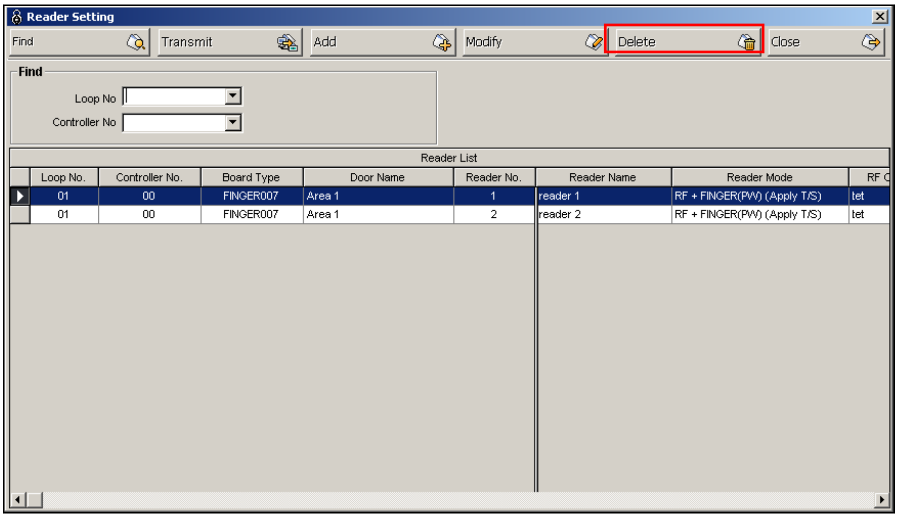
Complete all initial setup and reboot the program, and make certain communication is established before using transmit function.

4) Select Close button to finish.

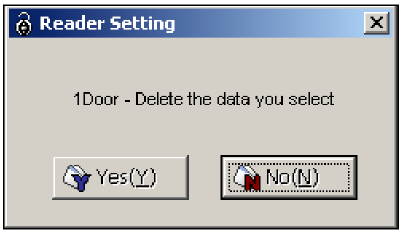
■ Delete

Delete is used to delete existing data. Find data to delete or to delete registered data.

Selected data is displayed as below figure in highlighted bar.



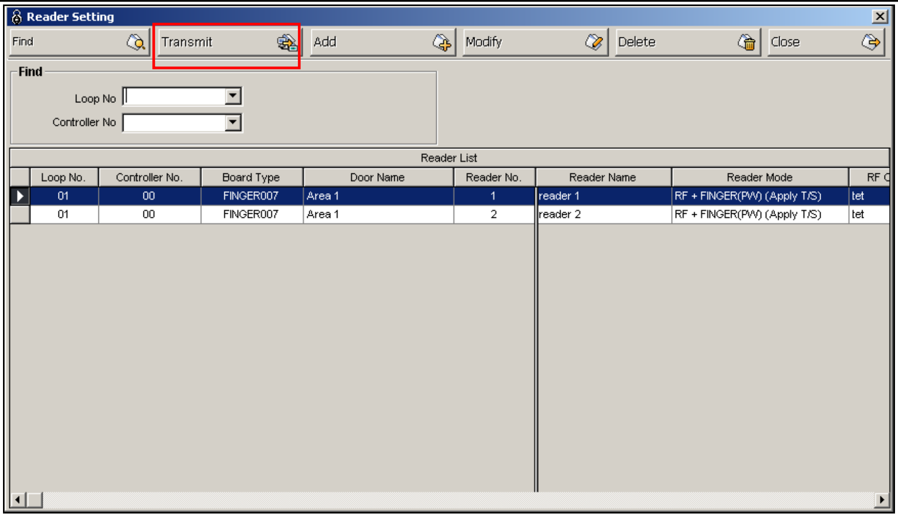
1) Select Delete button. The screen below will appear. Select Yes button to delete or No button to cancel.



■ Transmit

This function is used to send the setup functions to the controller for activation. Use Find to search for data transmit or select the data from the registered reader categories to send.

Selected data is displayed as below figure in highlighted bar.



1) Select Transmit button. This will send the selected data to the corresponding Controller No for application.

> *If an error does occur, detailed explanation is displayed in a message box.*
>
> *In this case, retransmit the data, but if the error continues, check the communication and controller for problems.*

Input/Output Definition

In/Output Definition configures signal activation for specific outputs when an input signal occurs. It also sets how long in seconds the output signal will activate.

It is also possible to setup a user preferred text display, when an input signal type occurs.

Depending on Input/Output controller type setup, the data in reference to Input/Output signal using controller default value is automatically created and stored in the database.

For this reason, the user does not have to Add or Delete, but the Input/Output signal, activated time, and point of input can be modified and transmitted.

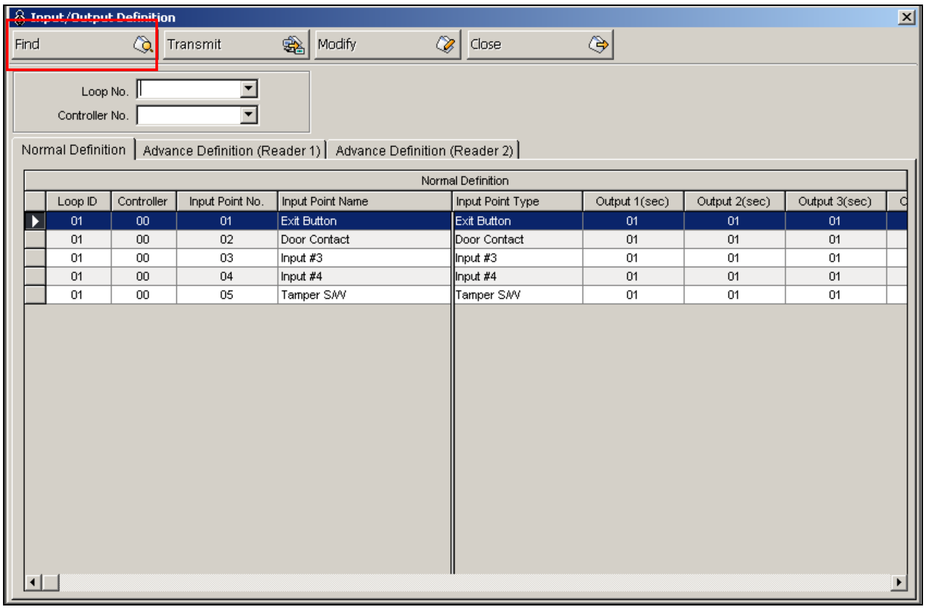
> *Input/Output data are automatically selected based on controller type entered from controller set up.*
>
> *This data is registered by default setting value of controller. Only modification is available to change setting value of input/output and download modified data to control.*
>
> *Refer hardware manual to setting default value for input/out based on controller type.*

- Start

  Select Set Up->Input/Output Definition List or press shortcut key Ctrl+E.

- Find

Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.



1) Select Loop No. and Controller No. as appropriate.

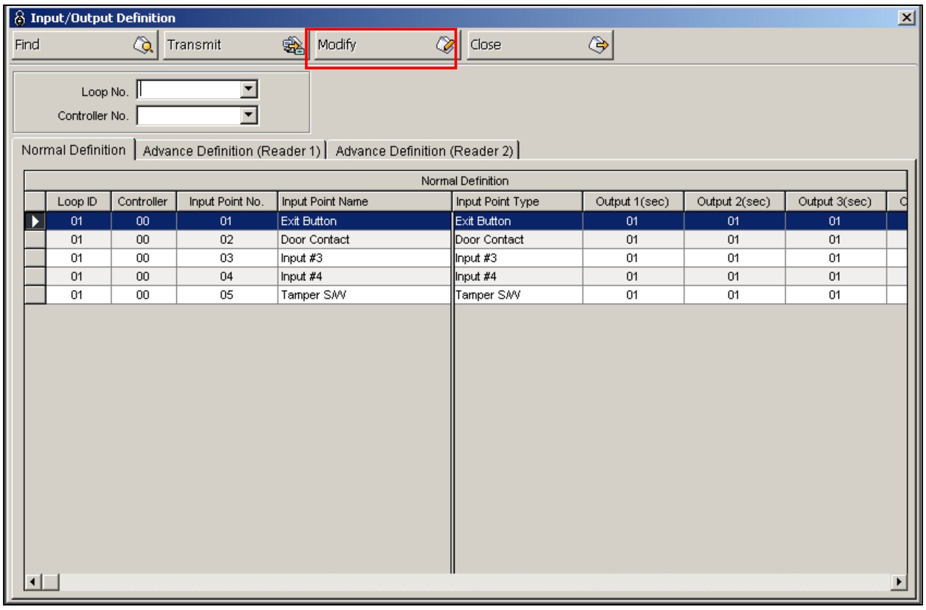
2) Select Find to make an inquiry. If inquired result is available it will display the results.

If find has no specific parameters, it will display the entire information

■ Modify

Input/Output Point is automatically setup in default value depending on controller type. However, if the user modifies the Input/Output status, you can activate the Point differently.

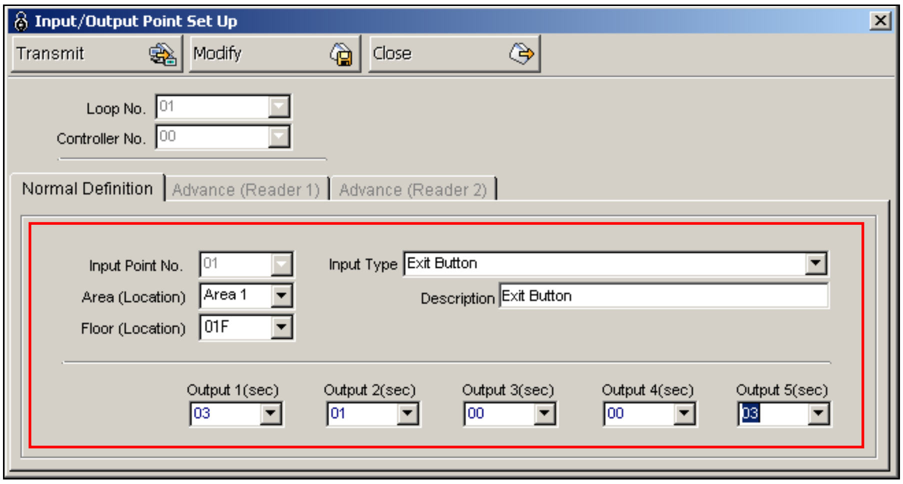
Select the Input Point of the controller to be modified. Selected data is highlighted.



1) Select Modify button.

2) Input Point sets which outputs of the controller occur from receiving the input signal from the controller.

   Also, when an Input Point type and corresponding Input Point occurs, the text display and specified time of signal occurrence success or failure can be setup.



3) Select Area and Floor Location. Selecting the location of input signal occurrence lets the user check where the event location occurred.

4) For Input Point name, input the letters displayed in the event window that corresponds to the input signal occurrence.

5) Decide which outputs will activate in Output 1-5, when an input signal occurs. The input value for the Output is setup in seconds.

   00 sec for input will result in no signal for the corresponding output. Selecting from 01-99 sec will let the output activate for specified seconds.

6) Select Save button to save.

7) Select Transmit to send to controller.

When setup is performed for all controller, program, and related data, it is not active until transmitted to controller. It is possible the transmit function may not work properly.

8) Select Close button to finish.

Normal setting defines input form other controllers which are connected to controller can be changed by user. However, some of specific setting input values are fixed as exit and door contact depends on controller type. (Refer hardware manual for detail)

Advanced set-up dose not accept signal from other controllers selected by user. Because advanced set up is fixed for internal input signal, specific value must be received.

Therefore, Input type or name can not be entered when user modifies advanced set up.

Modification of advanced set up allows changing activation time based on input signal

In/Output Timeschedule & Signal Type

Configure the Time Schedule of Input/Output Point activation. This is connected to the Time Schedule, and the user can modify the signal occurrence of Input/Output Point.

Basically, controller create signal for all inputs when it receives input signal. Moreover controller create output signal when any output signal is received.

However, input and output signal can be controlled by time schedule. User may be able to activate input/output only based on time schedule.

This function applied for connecting sensor in case of input, for connecting door lock in case of output.

If you connect the sensor in specific input relay, and if it occurred event anytime, day and night detecting the situation.

This case, surplus of event cause slowing the processing, which cause that the useless information would be stored.

If you set the timeschedule for input point connected sensor, such as 08:00~18:00 which will not operate during set time. Sensor works during 18:01~07:59. Except above time, the event will not occurred, even the sensor works.

In case of output, if you connect the door lock to certain output, depending on the output status, which keep the continuously lock or release.

During the working hours (such as day time), you can set the door to be open, after working hours, the door automatically locks. If the registered card is presented after the working hours, the door opens once.

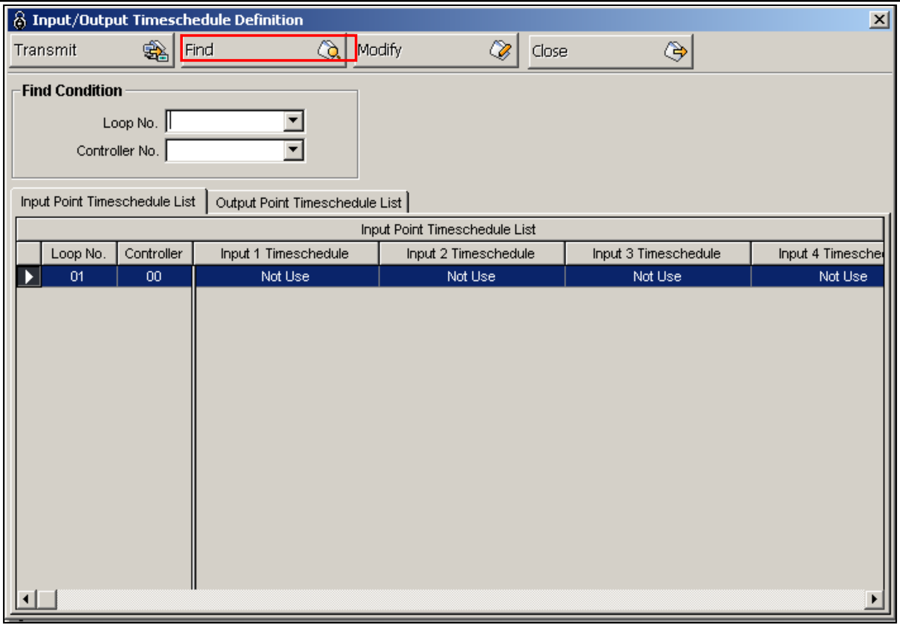
In case output, within the timeschedule, keep unlock, except this time, keep the lock the door.

- Start

  Select Set Up->Input/Output Definition List or press shortcut key Ctrl+E.

- Find

  Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.



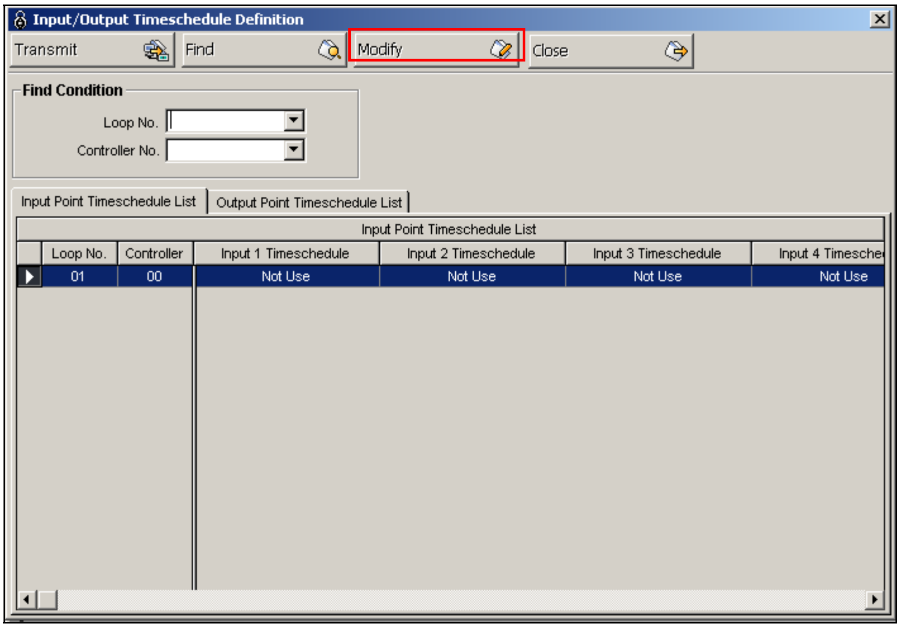
1) Select Loop No. and Controller No. as appropriate.

2) Select Find to make an inquiry. If inquired result is available it will display the results.

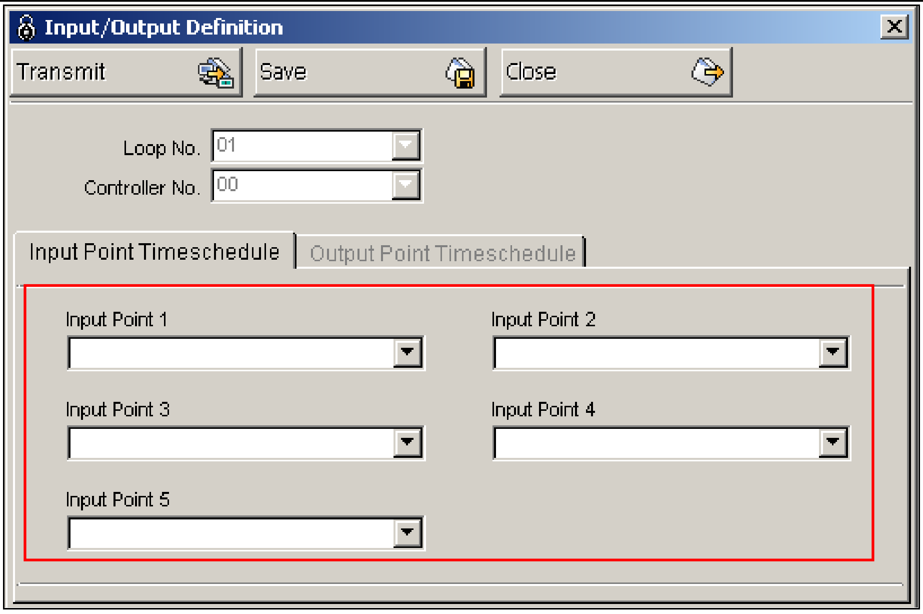
If find has no specific parameters, it will display the entire information

■ Modify

Select the Input Point of the controller to be modified. Selected data is highlighted.



1) Select Modify button.



2) Selecting the DropDownCombo of corresponding Input Point will display the contents setup in Time Schedule. Select the time schedule to apply.

Default value for Time schedule content means it will not be applied. However, when an input occurs the signal is taken care of at that moment with a result of event.

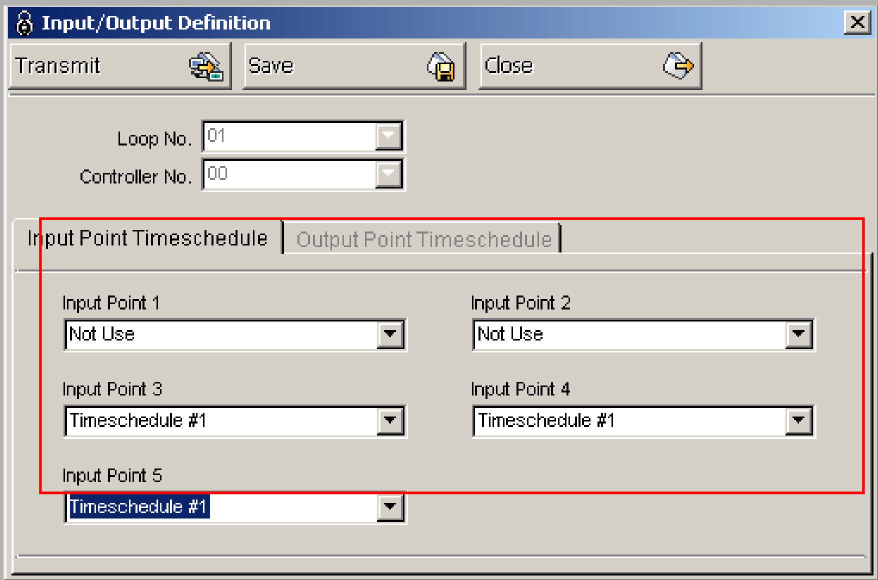
3) Select Save button to save.

4) Select Transmit button to send to controller.

When setup is performed for all controller, program, and related data, it is not active until transmitted to the controller. It is possible the transmit function may not work properly.

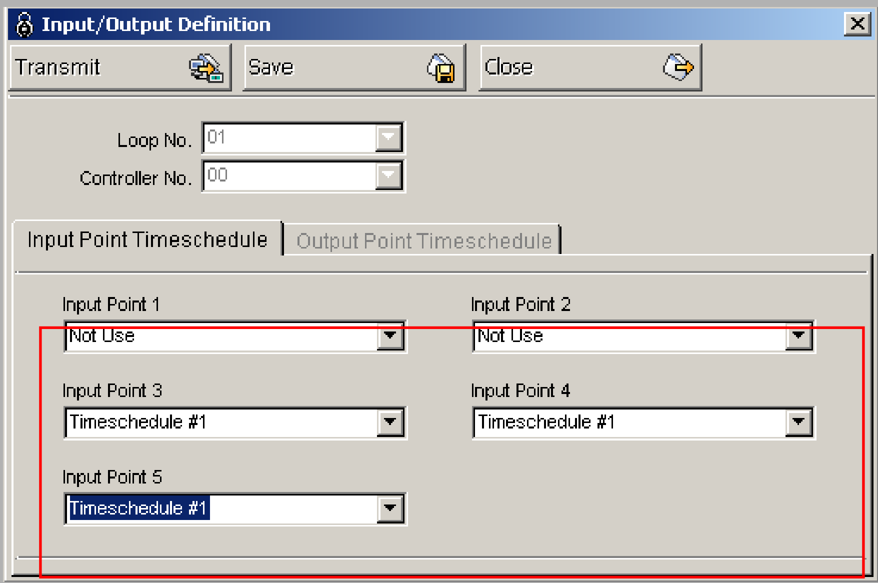
5) Select Close button to finish.

Output Point Time Schedule setup method and Input Point setup method is identical.



Selecting the DropDownCombo of corresponding Input Point will display the contents setup in Time Schedule. Select the time schedule to apply, then select Save and Transmit button to configure.

You can configure signal handling method of controller, if the Input Point Type connected input controllers (Exit, Contact, Sensor, etc..) signal is NO or NC.



Selecting the DropDownCombo of corresponding Input Point will display the NO and NC contents. Select the value to apply then select Save and Transmit button to configure.

Global Antipassback

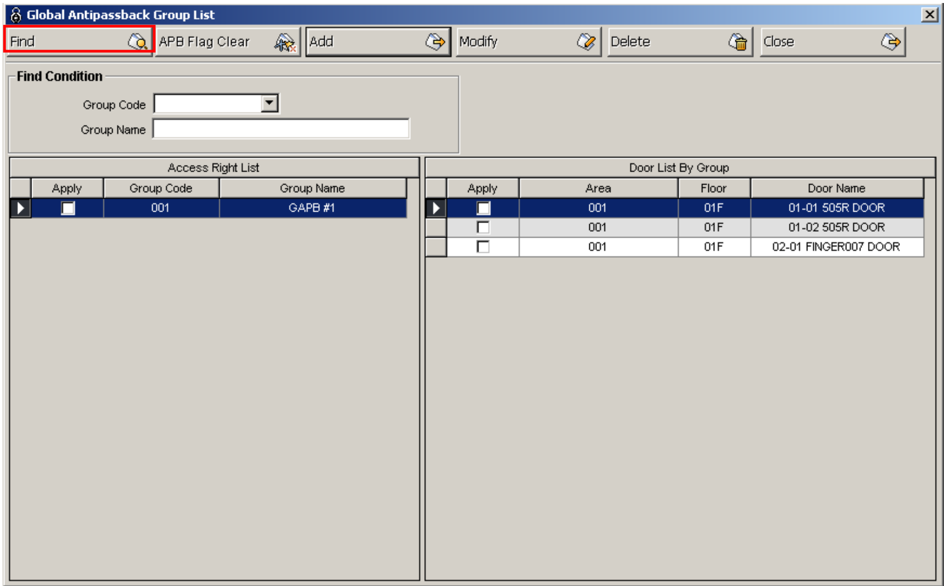
Global Antipassback is used to grant access card only when cardholder go in by In-door and go out by Out-door in more than one door system. To set Global Antipassback, it is required to set Antipassback Enable in Door/Reader Setup.

- Start

Click System -> Global Antipassback menu.

- Find

Find is used to get relevant information pertaining to the inquiry when information is available. In Access right List, door group information which applied of Global Antipassback. In Door List by Group, the information of door information.



a. Please input group code, group name according to the condition.

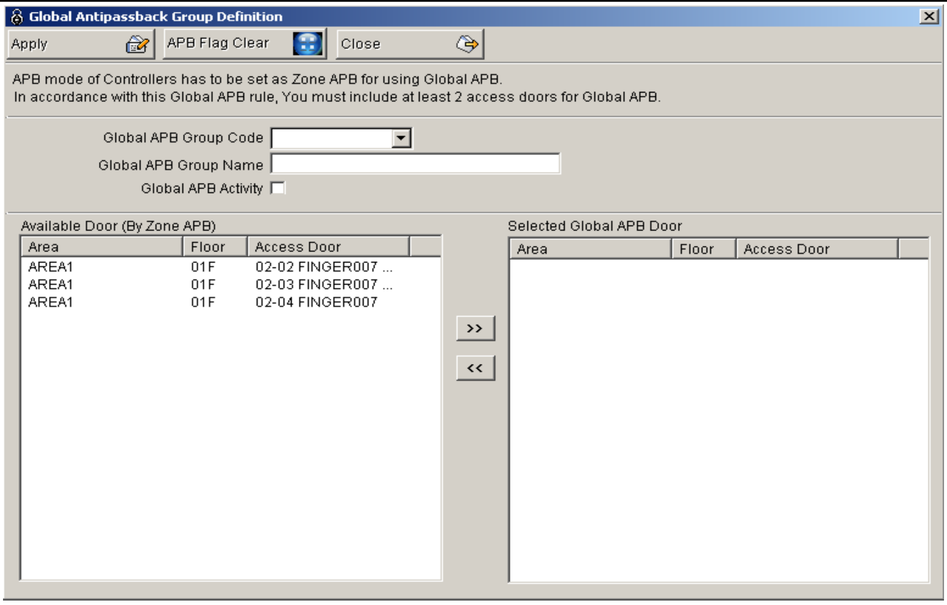
b. Please click Find button to search. If there is data, searched data will be displayed.

If there is no condition filled, all the data will be displayed.

- Add

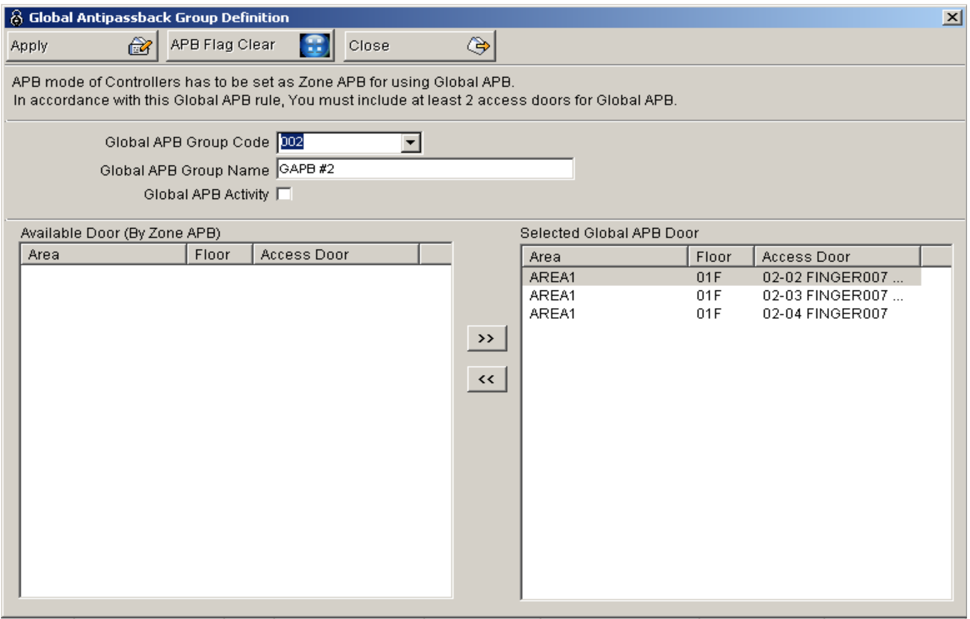
Add button is to create new data. To register Global Antipassback, please click Add button and input data.

1) Please Click Add button. Global Antipassback Definition form will be popped up.

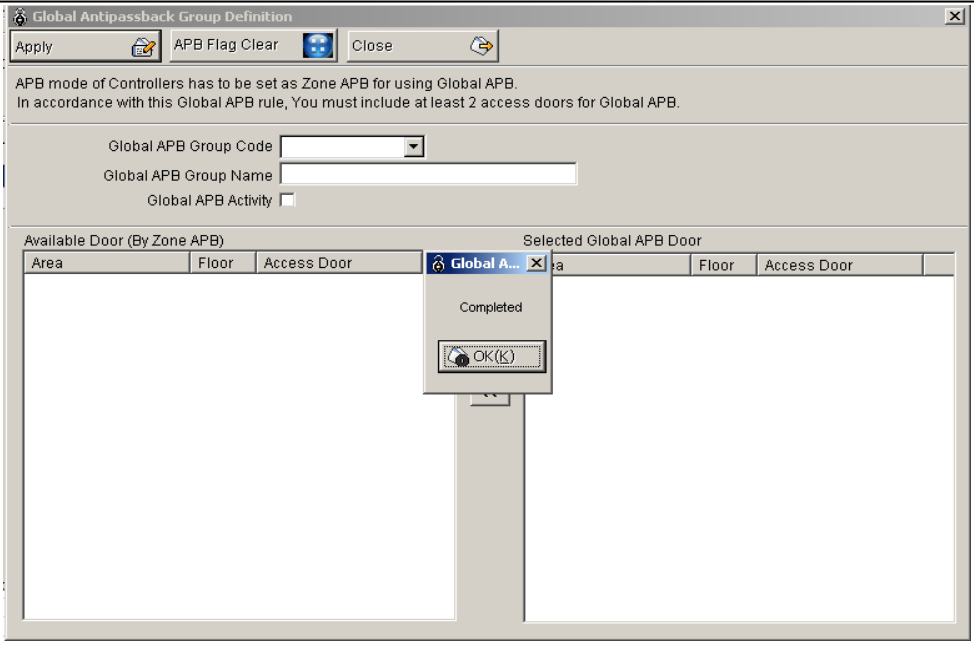


2) Please input Global Antipassback group code and Global Antipassback group name. In the left side List, door information which will be applied of Antipassback will be displayed. Please move door information using >> button to Selected Global APB Door.

To apply Global Antipassback, it required to check Global APB Activity.



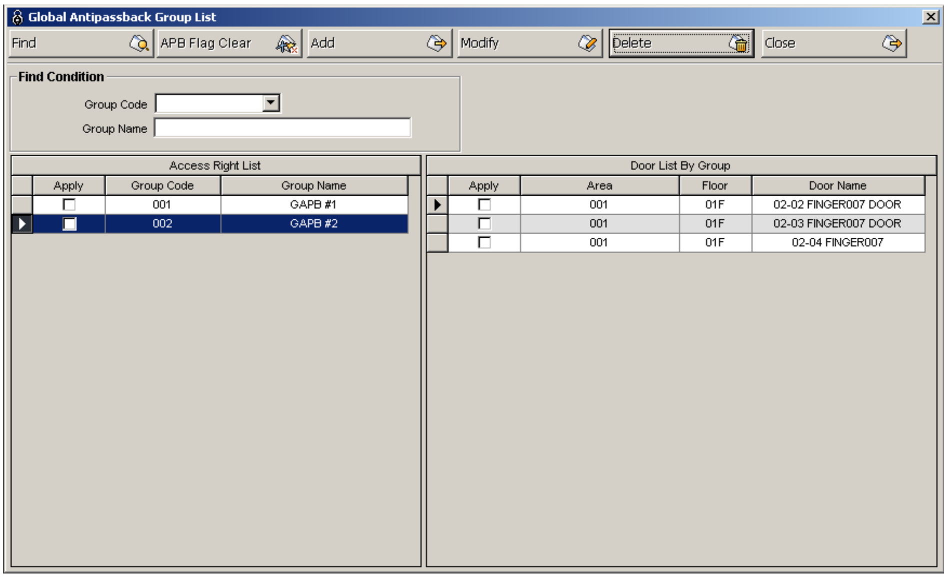
3) After all setting has finished, please click Apply button. If Completed button pops up then click Close button.



- Modify

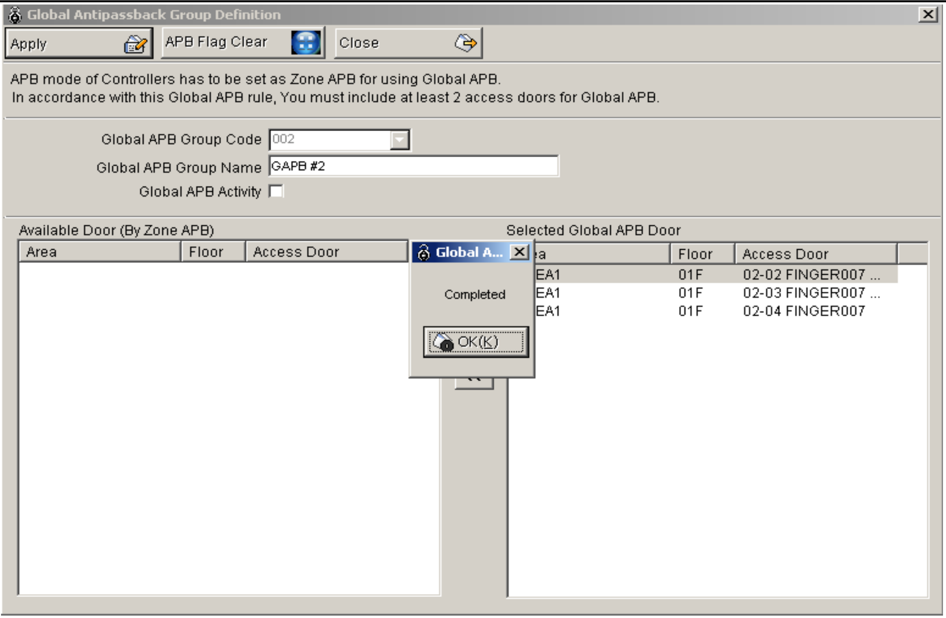
  Please select GAPB group which will be modified.

1) Please select Global Antipassback group which will be modified and click Modify button. Global Antipassback Definition form will be popped up.



2) Please select the door which you want to modify and click >> or << button to apply or delete. If you don't want to apply Global Antipassback, please uncheck Global APB Activity.

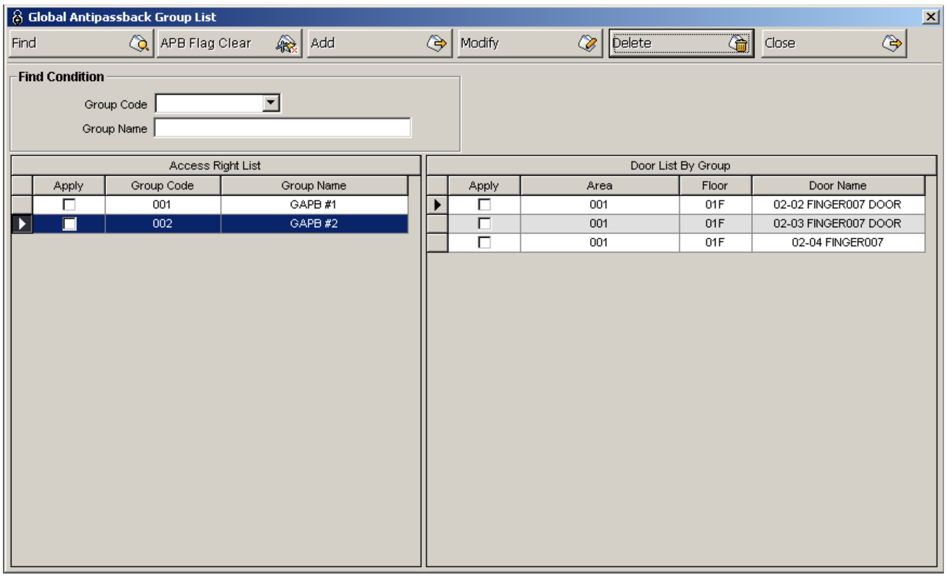
3) Please click Apply button after all modification has finished. Completed message will be popped up and click Close button.



■ Delete

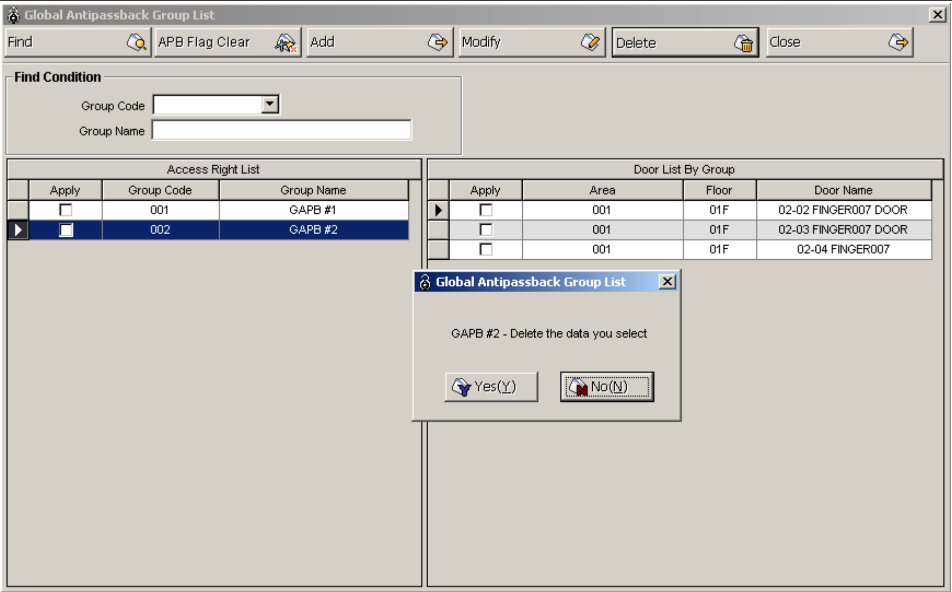
This is to delete Global APB information which is already registered.

1) Please select Global APB group which will not be used any more.



2) Please click Delete button.

3) If 'GAPB-Delete the data you select' message pops up, please click Yes button. Global APB which was registered will be deleted.



System Management (Set Date & Time)

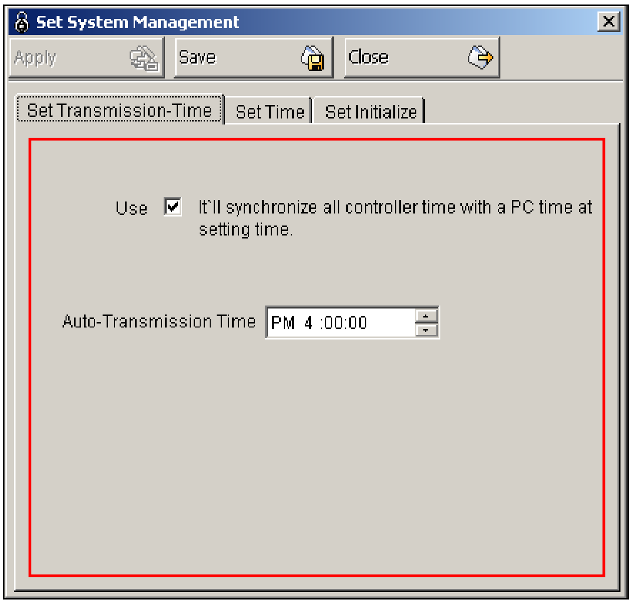
This function resets the controller clock and date in controller. In general, initial installation of controller result in incorrect time data. Use this function to modify date and time.

- Start

Select Set Up->System Management->Set Time or press shortcut key Ctrl+G.

- Setup

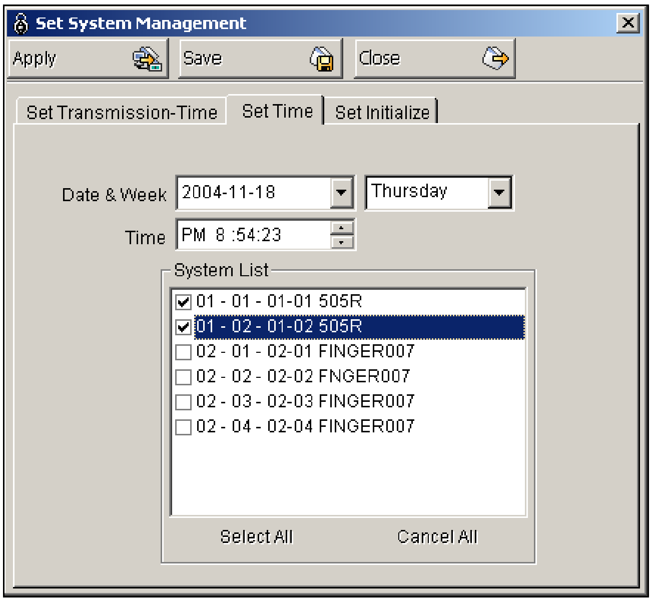
1. Auto-Transmission Time



This function will download the time on computer once a day not to have time difference between time on computer and controller.
When many numbers of controllers are connected, the controller may not show the same time with computer and this function will adjust this

kind of differences.

2. Set Time



1) Change Date, Week, and Time value. (Displayed default value is time and date of the P.C.)

2) Select System List to define which controller to transmit to.

3) Select Transmit button to complete setup.

System Initialize

This function is used to setup default status for all stored data or specified part in controller.

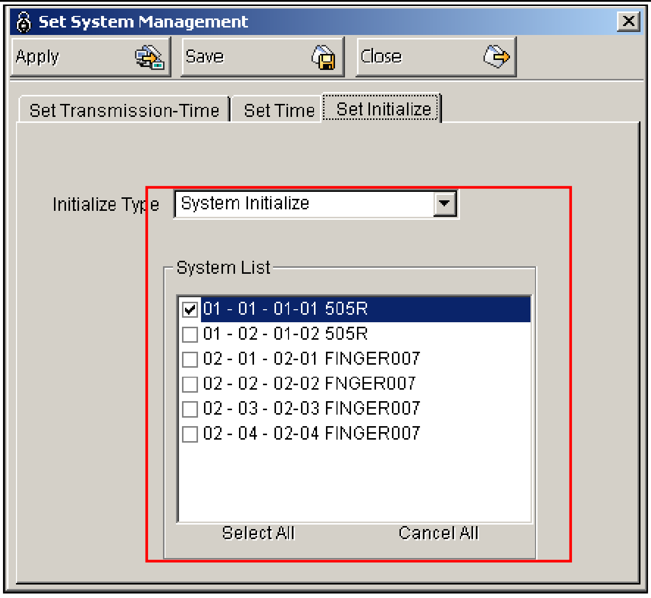
System Initialize is differentiated as System Initialize, Card Data Initialize, Event Data Initialize, and Time Schedule Initialize.

- System Initialize: Setup of all stored data in controller to default value.
- Card Data Initialize: Setup of stored card data in controller to default value.
- Event Data Initialize: Setup of stored event data in controller to default value.
- Time Schedule Initialize: Setup of stored time schedule and work holiday data in controller to default value.

■ Start

Select Set Up->System Management->System Initialize or press shortcut key Ctrl+H.

■ Setup



1) Select Initialize Type.

2) Select the System List to initialize.

3) Select Transmit button to initialize.

You must verify all Initialize Type, before activating it. Also, use the function with caution, because the data will be modified in this function.

MasterCard Management

MasterCard is used to change controller as setup mode. By verifying Mastercard, user can setup all functions in controller.

And Mastercard Management is to transmit Mastercard to controller. Before transmission, card must be registered in Cardholder menu.

■ Start

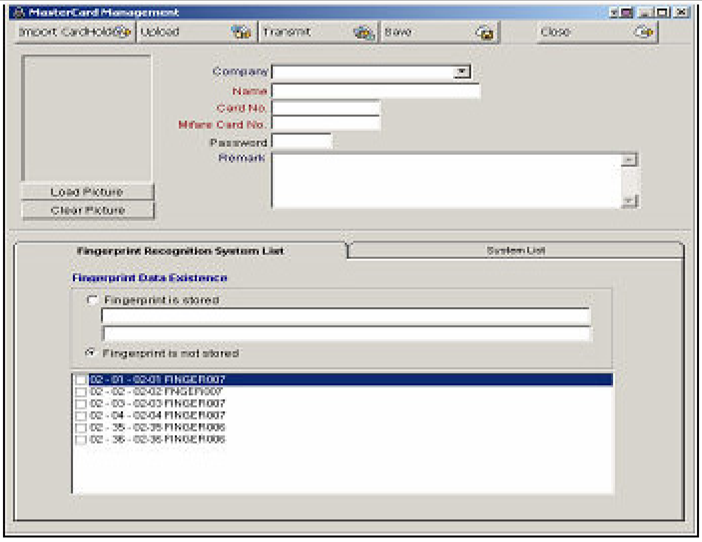
Select Setup -> System -> Mastercard Management

■ Import Cardholder

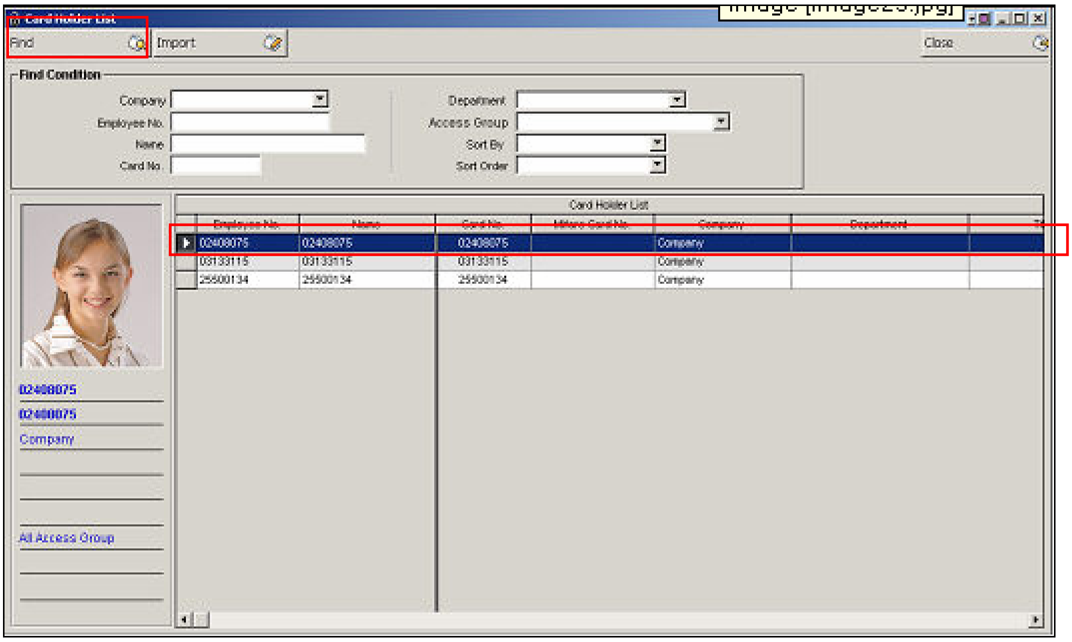
Import Cardholder is used to get the relevant Mastercard information from cardholder management list.

1) In Mastercard Management form, there are 'Import Cardholder', 'Transmit', 'Save' buttons. 'Import Cardholder' is to import cardholder from Cardholder Management form to set as Mastercard. 'Transmit' button is to send imported data to controller. 'Save' button is to save imported card data as Mastercard.

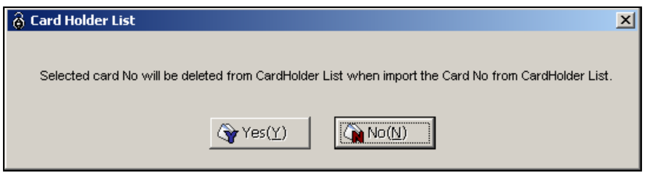
And there are 2 tabs 'Fingerprint Recognition System List' and 'System List' . 'Fingerprint Recognition System List' is to send Mastercard to FINGER007, FINGER006. This controllers require fingerprint data to set as Mastercard. And 'System List' is to send Mastercard to 505R, FGR006, ICON100. This controllers don't require fingerprint data.



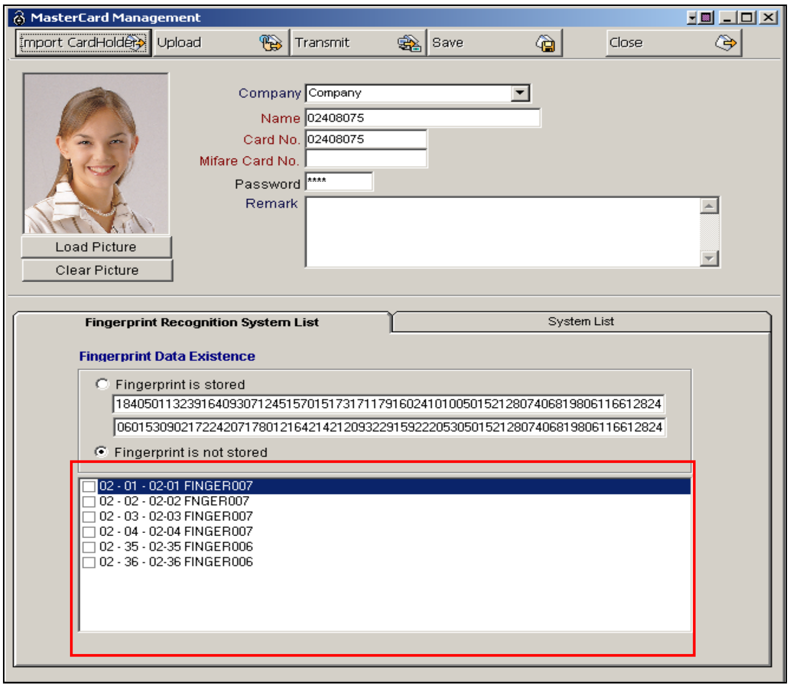
2) Click Import Cardholder button and Cardholder Management form will be popped up. Please select the card you want to set as Mastercard and click Import button or double click the selected line.



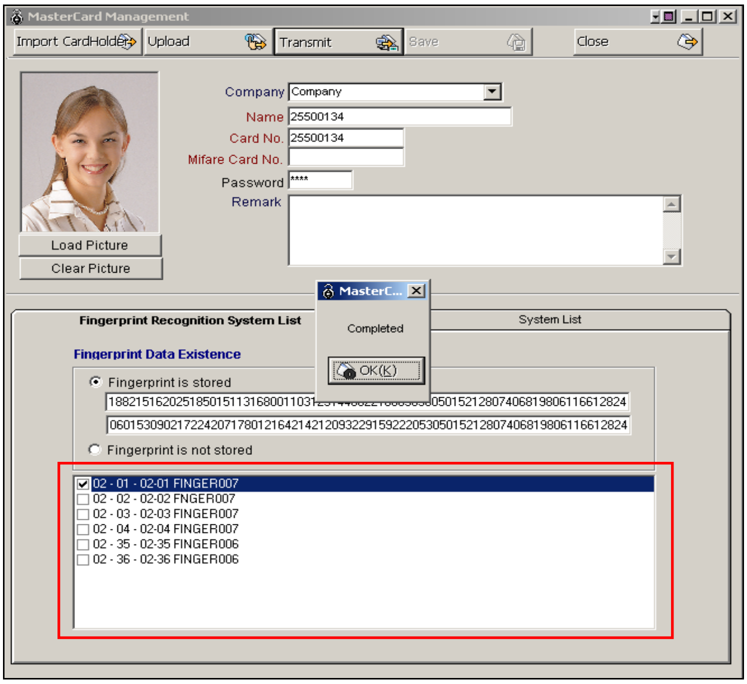
3) Message like below will be popped up. This is to inform user that selected card will be deleted from the Cardholder Management form. If you want to delete the selected card and import the data, click 'Yes'. Otherwise click 'No'. If you click 'No' button, selected card will not be imported to the Mastercard Management form.



4) If you click 'Yes' Mastercard Management form will be disappeared and card information will be imported to the Mastercard Management form like below.



5) Before transmission click save button to save imported data as Mastercard and select the controller you want to transmit. Click Transmit button to transmit card data to controller. After all the process has completed, 'Completed' message will be popped up.



6) As like 'Fingerprint Recognition System List', you can import and transmit in 'System List' .

Dial-Up Connection

Dial-Up Connection uses standard phone line to connect to a remote controller for communication. External modems are required for each site at remote and host to connect by phone line.

Also, Dial-Up Connection Management can be used to manage multiple location registration, and when needed initiate the location's remote controller and communication.

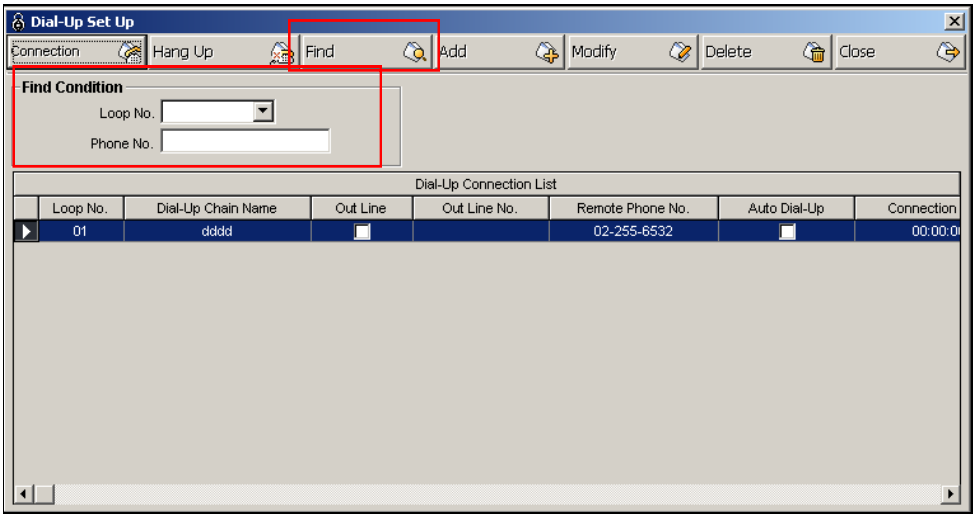
Refer to chapter 8 (STARWATCH DUAL PRO II™ Dial-Up Communication) for detailed information.

- Start

  Select System->System Management->Dial-Up Connection List or press shortcut key Ctrl+G.

- Find

  Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.



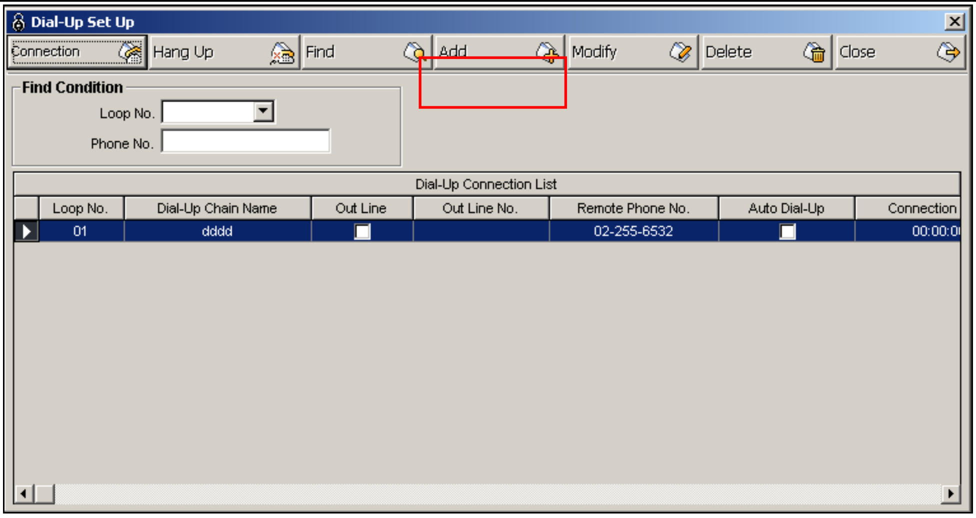
1) Input Find Condition

2) Select Find to make an inquiry. If inquired result is available, the following screen appears.

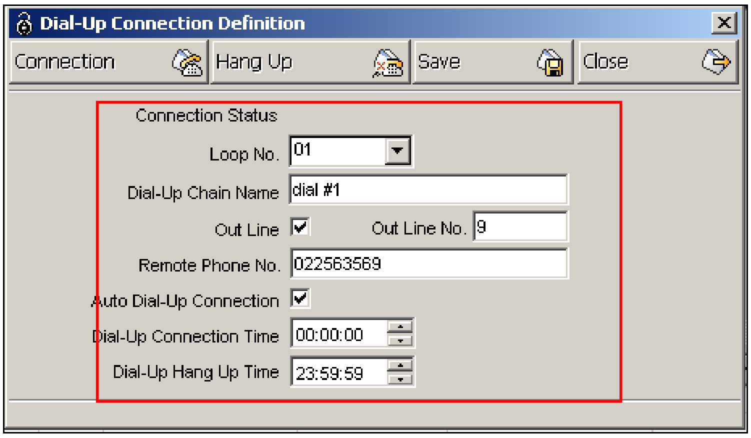
If find has no specific parameters, it will display the entire information

- Add

  Add is used to create new data. Select Add button to add Dial-Up Connection area data through input screen.



1) Select Add button and the following screen appear.



2) Select Loop No. You can only select the Loop that was configured for Dial-Up Connection.

3) Input Dial-Up Chain Name.

4) Check mark Out Line if setup, and input Out Line No.

5) Input Remote Phone No. connected to remote modem.

6) Check mark Auto Dial-Up Connection if setup, and configure connection and disconnection time.

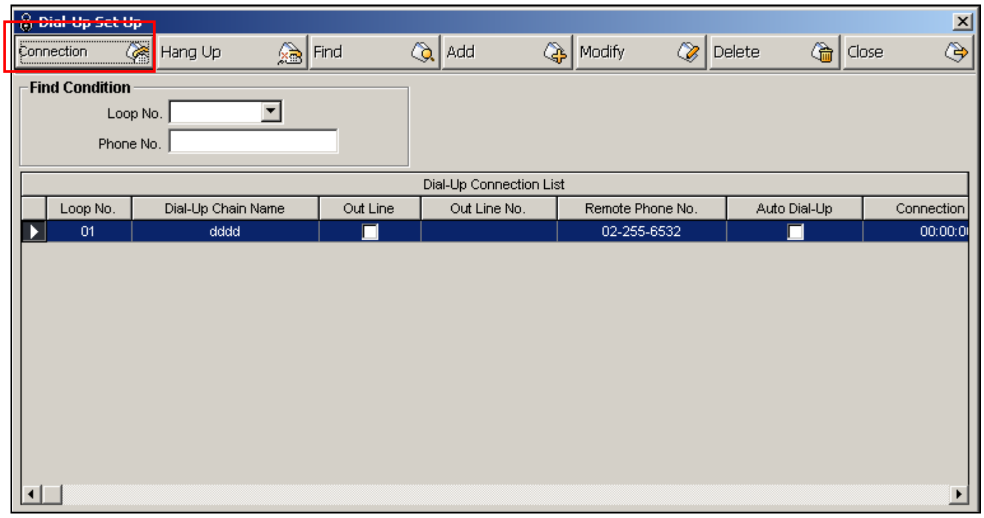
When configuring Auto Dial-Up connection, you must verify the connection and disconnection time does not overlap in multiple locations. This will cause abnormal operation.

7) Select Save button to save input data. Select Close button to finish.

In Dial-Up Connection, connection failure can be frequent depending on the phone line and modem status. This is a special characteristic occurrence, and it is possible for 2-3 reattempts before normal connection is established.

- Dial

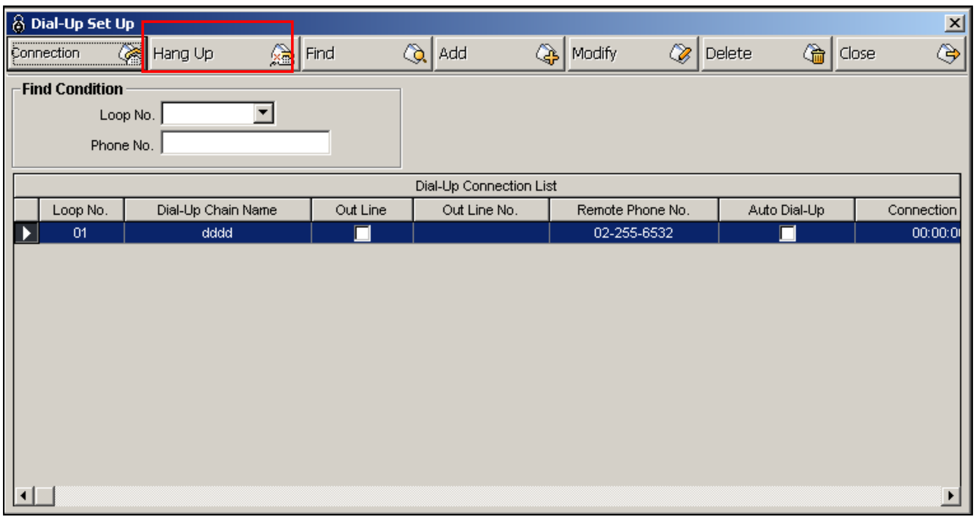
Dial can be used in Dial-Up Connection List, Add, and Modify screen, but we recommend use as possible in the Dial-Up Connection List screen.



1) Use Find to locate connection or select from Dial categories to connect. Selected location is highlighted.

2) Select Dial for connection attempt.

- Hang Up

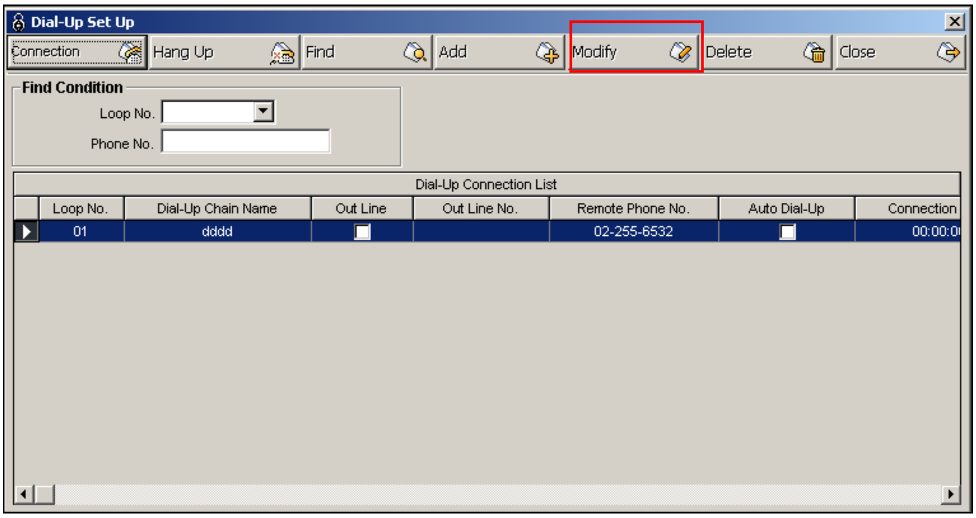


1) Select current established connect location.

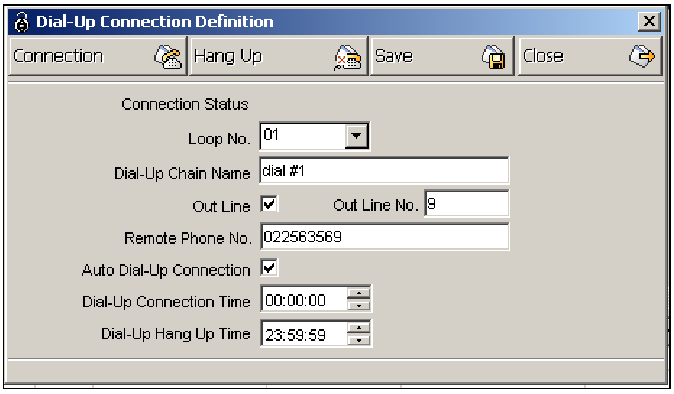
2) Select Hang Up to disconnect.

■ Modify

Modify is used to change existing data. Find data to modify or to change registered content.



1) Select data to Modify, then select Modify button.



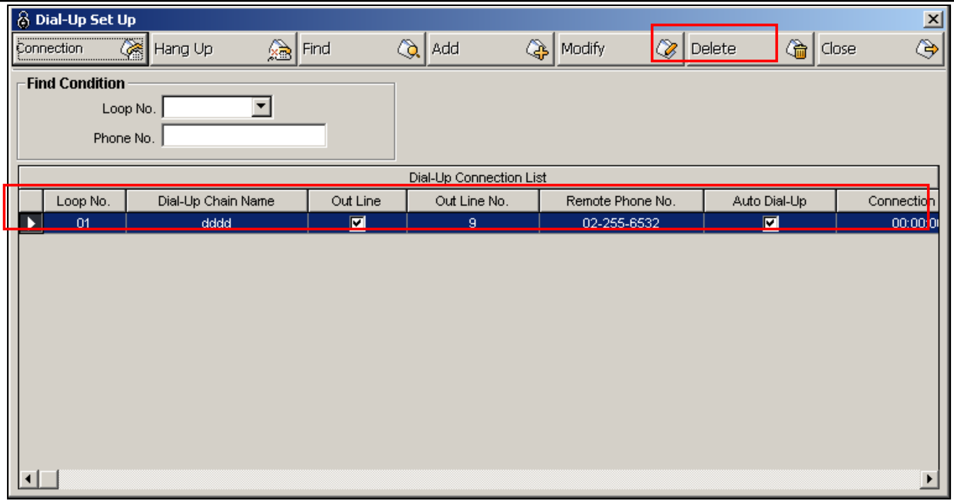
2) Select Save button after data is modified to save.

3) Select Close button to finish.

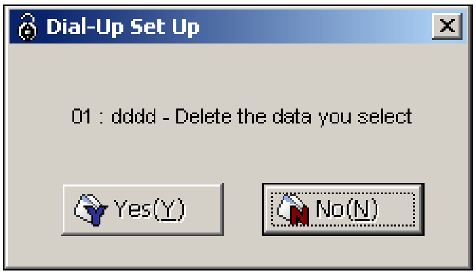
■ Delete

Delete is used to delete existing data. Find data to delete or to delete registered content data.

Selected data is displayed as below figure in highlighted bar.



1) Select Delete button. The screen below will appear. Select Yes button to delete or No button to cancel.



Map Definition

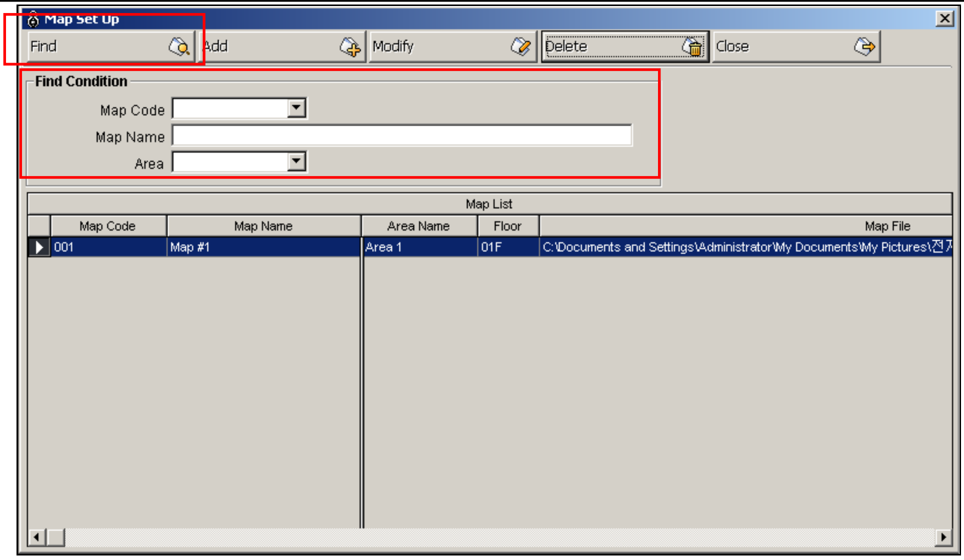
This sets the map of each floor using the area/floor as basis. Door and sensor location can be designated on the map. This lets the user see which location the event occurred by the setup of the map to be displayed automatically, when the event occurs at the time.

■ Start

Select Set Up->Map Definition or press shortcut key Ctrl+R.

■ Find

Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.



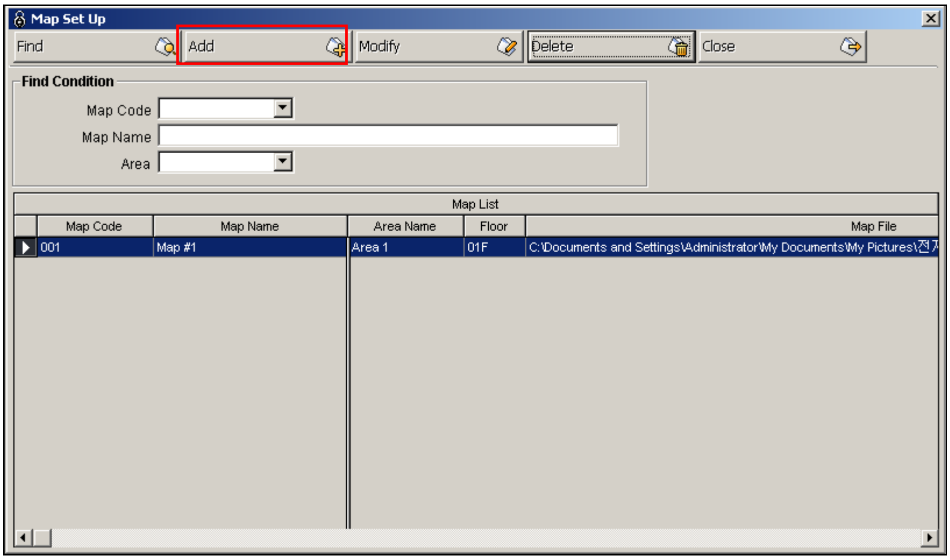
1) Input or select Find condition.

2) Select Find to make an inquiry. If inquired result is available, the following screen appears.

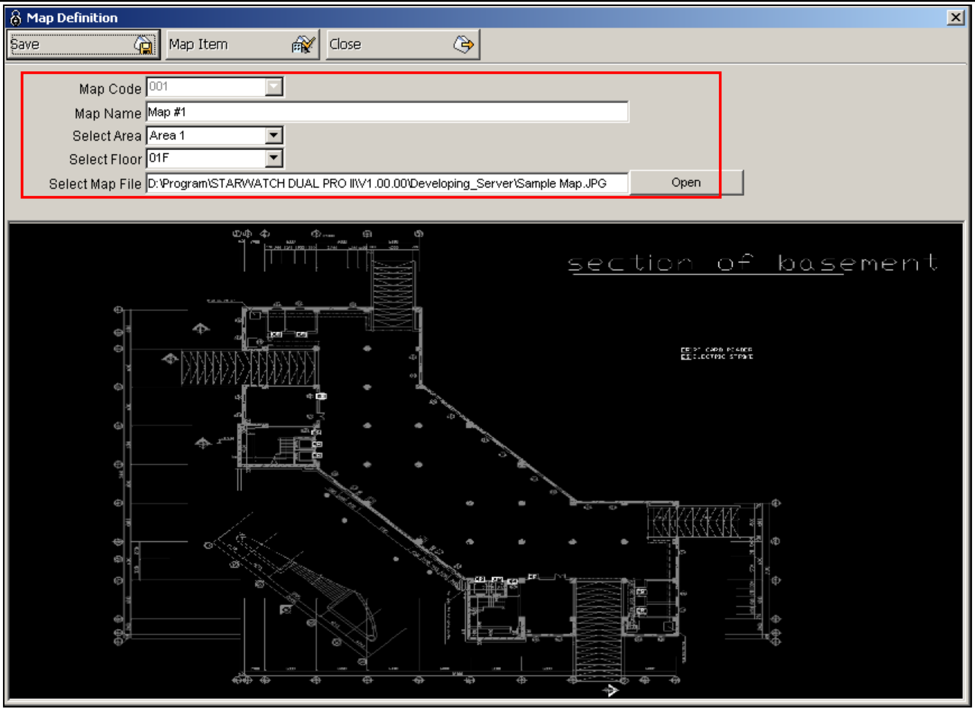
If find has no specific parameters, it will display the entire information

■ Add

Add is used to create new data. Select Add to input data of new map through the input screen.



1) Select Add and the screen below appear.



2) Input Map Code and Map Name.

3) Select Area and Floor for the location to be implemented.

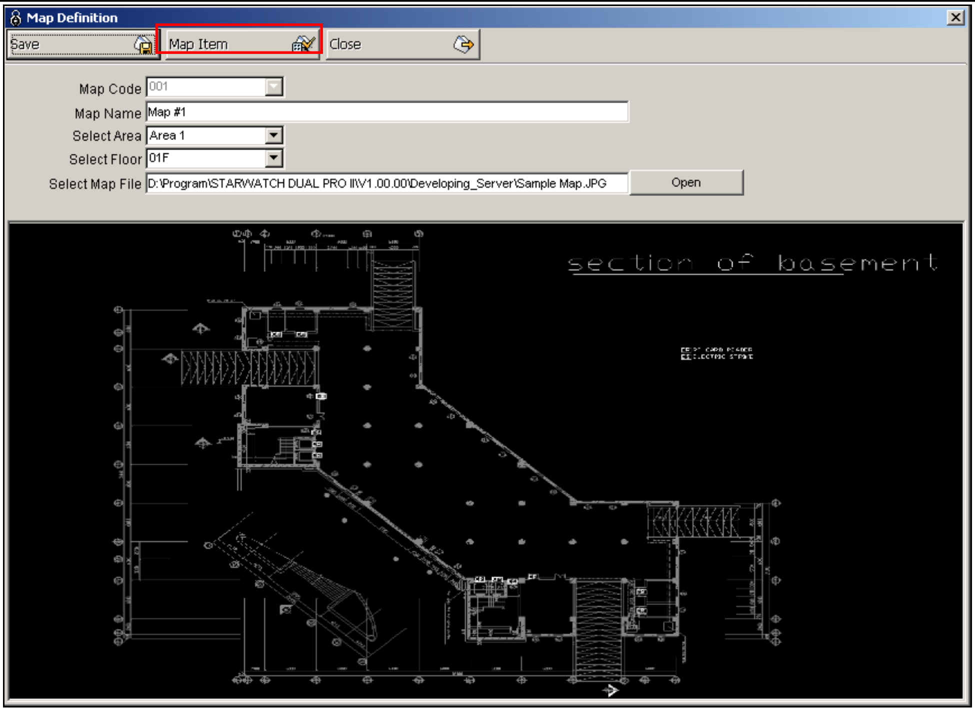
4) Select Map File. User can select file as bmp, jpg, wmf and can check the image file as shown above before applying.

5) Select Save button to save data.

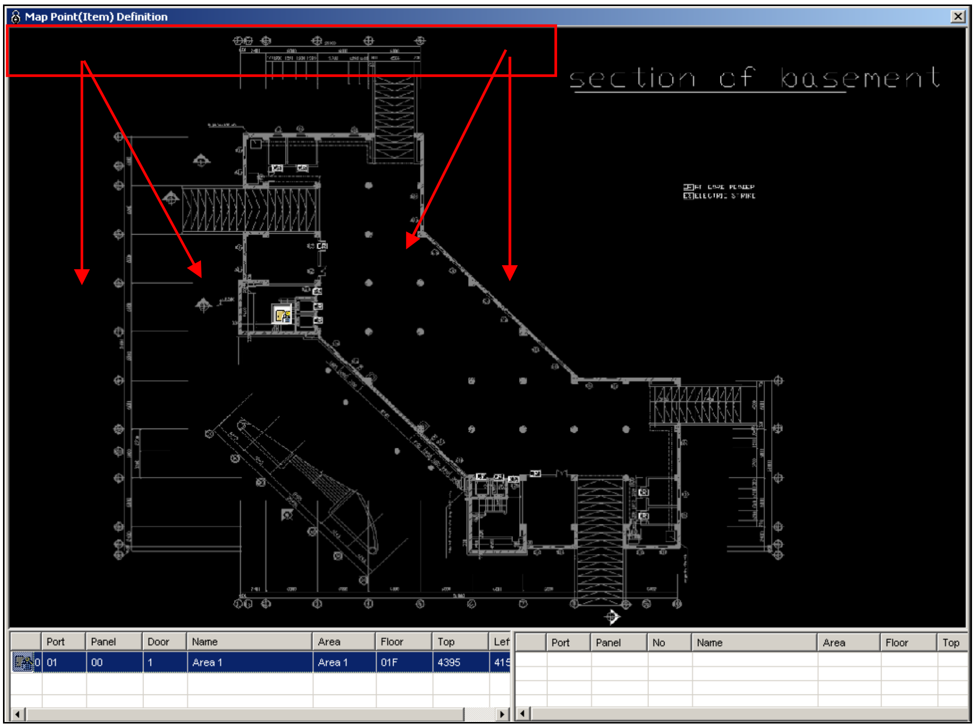
■ Map Item Setup

This function configures access door and sensor for the setup area/floor location. This sets the sensor and access door location to be displayed on the real map to check status of sensor.

1) Select Map Item button.



2) The following screen displays.

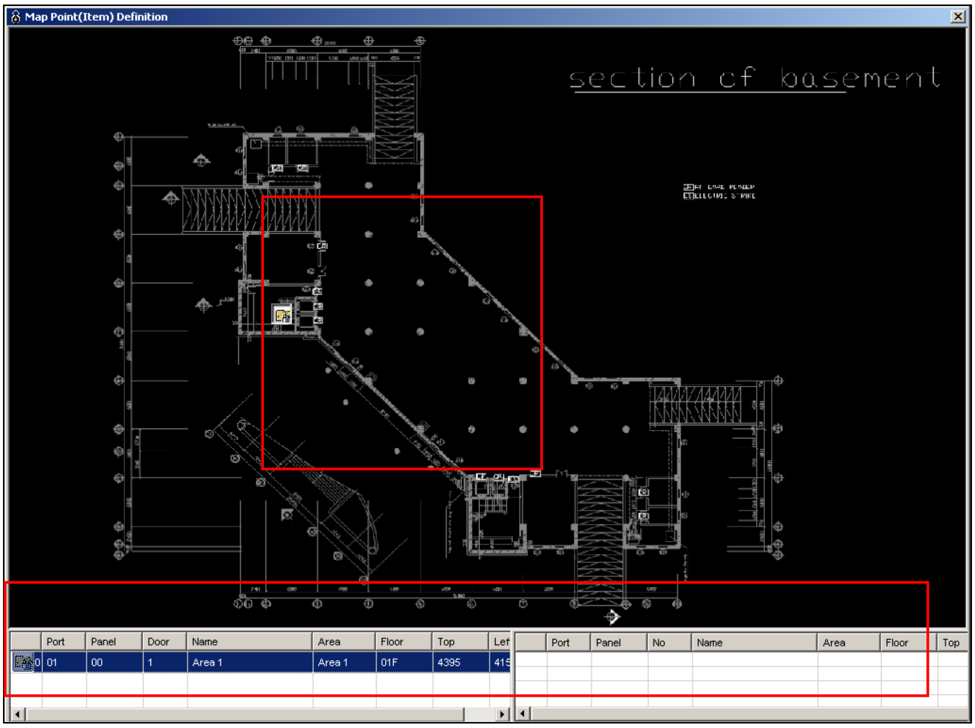


The display of map setup is identical to real map in size. Also, as shown above, the current map's corresponding access door and sensor is displayed as an icon.

The door and sensor icon of corresponding map area data is automatically displayed. For a door, the setup of Reader/Door data during registration is used. It uses this data as basis to display the number of icons automatically on the corresponding map.

Sensor uses identical method to display the icons automatically, by setup of the Input/Output Point setup.

3) Use the mouse to select and drag the door and sensor icon to the desired location. (Hold down the mouse button to drag, and release the button to set)

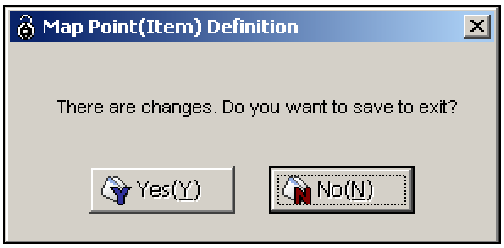


Locate the door and sensor icon with the mouse pointer, and the door and sensor name is displayed by tool tip. At the bottom displays the controller connected to the current door and sensor, along with data including names and location.

Use the above data as basis to control the location of doors and sensors.

4) If re-location of the icon is completed, then select (X) on the right hand corner.

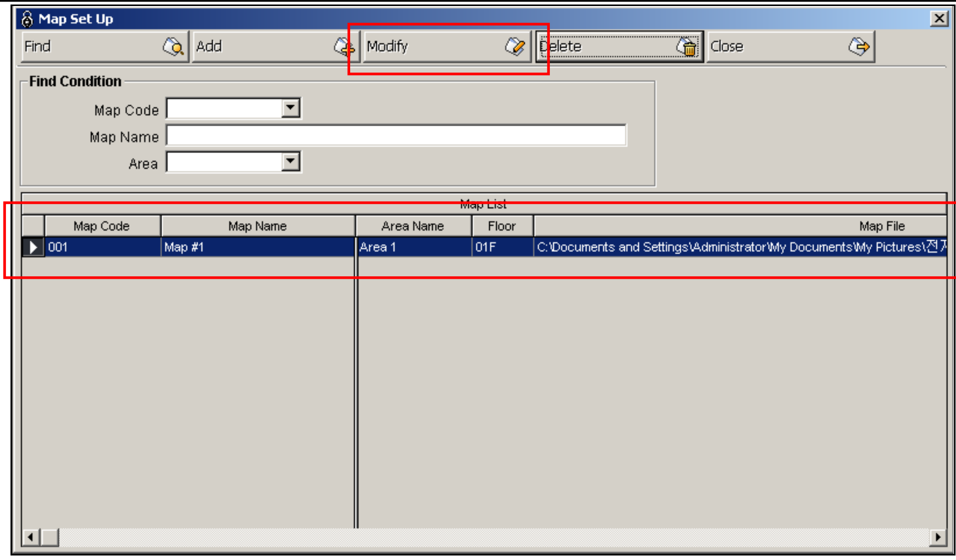
5) If location was changed, it will display the following message. Select Yes button to save.



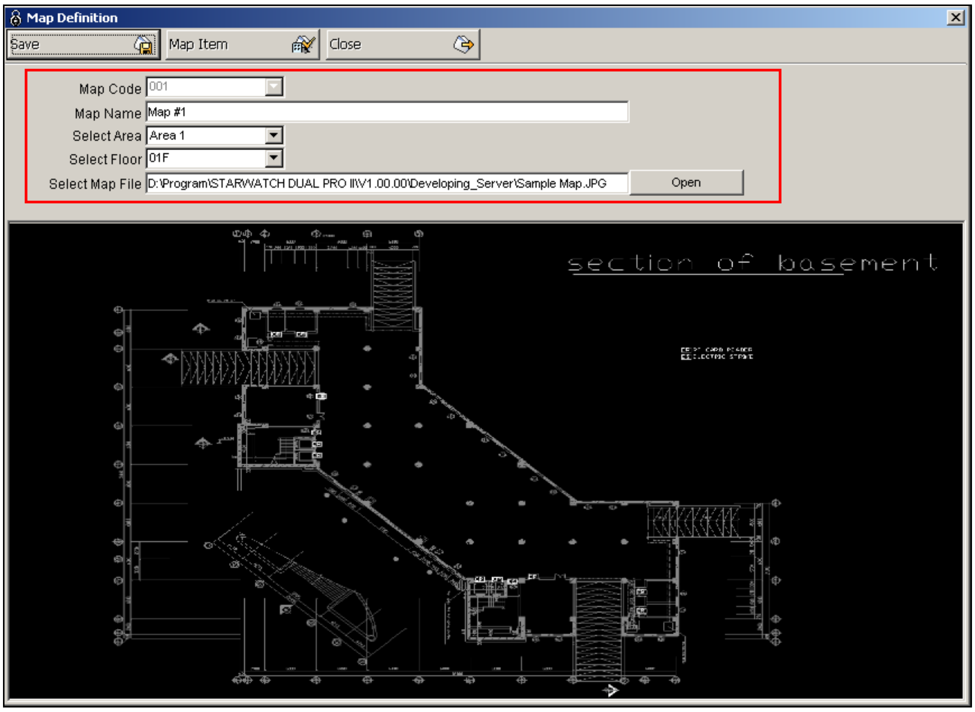
- Modify

Modify is used to change existing data. Find data to modify or to change registered content.

Selected data is displayed as below figure in highlighted bar.



1) Select Modify button and the following screen appear. This screen is identical to register screen. Map Code cannot be modified in this mode.



2) Modify Data.

3) Select Save button to save.

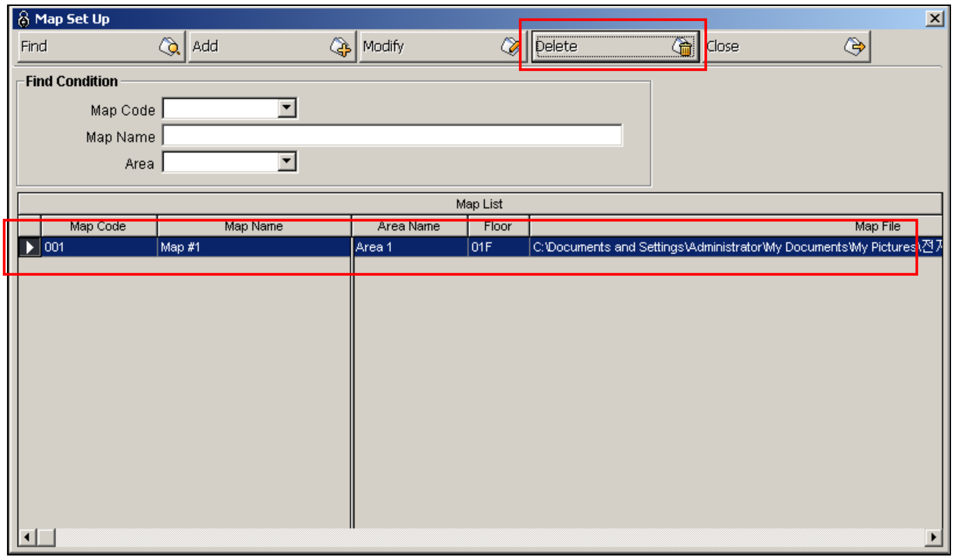
4) Select Map Item button to setup location. Once completed, select Close button to finish.

5) Select Close button to finish.

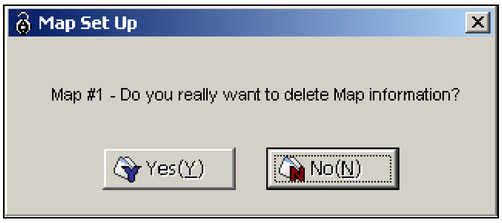
■ Delete

Delete is used to delete existing data. Find data to delete or to delete registered content data.

Selected data is displayed as below figure in highlighted bar.



1) Select Delete button. The screen below will appear. Select Yes button to delete or No button to cancel.

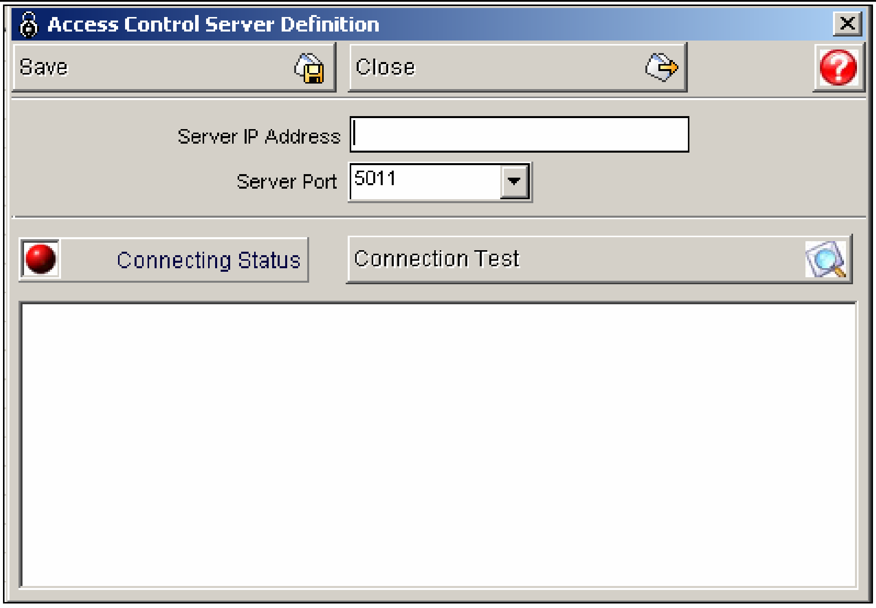


Access Control Server Definition (CLIENT)

Access Control Server is used to connect to Server from Client and check the connection status.

■ Start

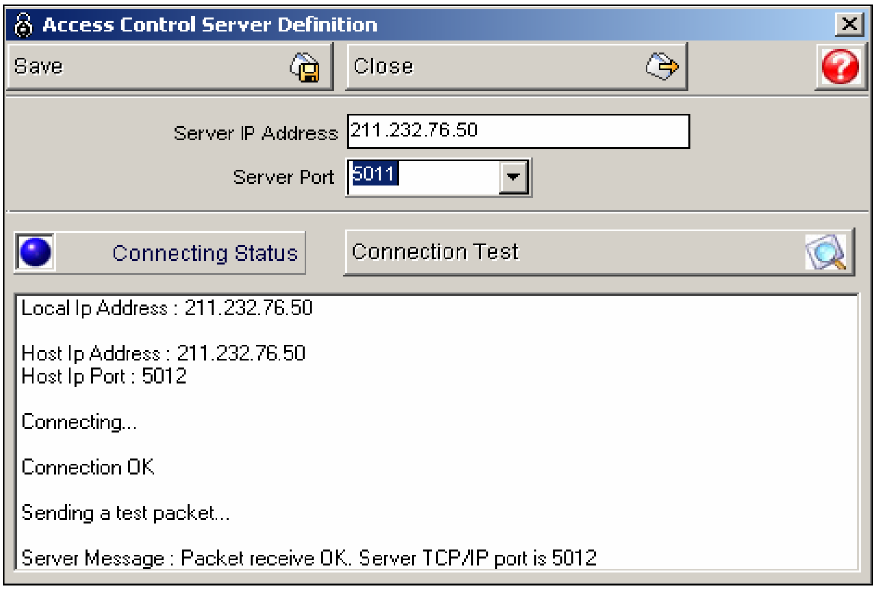
Select Set Up-> Access Control Server. Below form will be popped up.



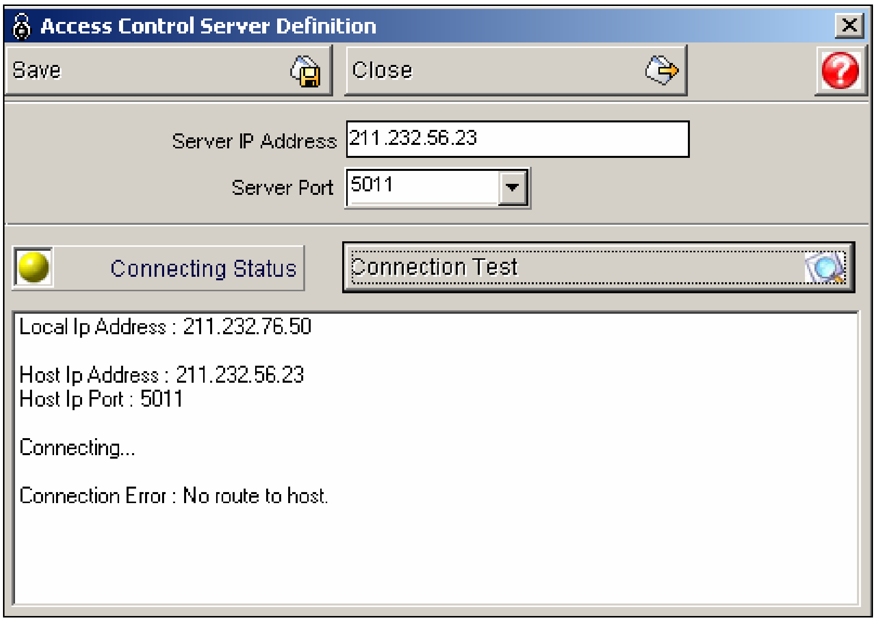
- Connection Test

For connection test to Server please input Server IP Address and select Server Port. Server IP Address will be the IP Address which Client will be connected. And select Server Port.

If connection has succeeded, blue icon will be shown and Connection Success message will be shown.



If connection has failed, yellow icon will be shown. Please check whether Server is executed right or not. And check also Server IP Address has been input right.



Database

Database menu contains functions for Database Server, Company, Department, Title, Area Data, User Management, Database Management, and Access Control Option. It is recommended to input all data if possible, because they are used as basis in initial input data for Access Control and Time & Attendance.

Database Server Definition

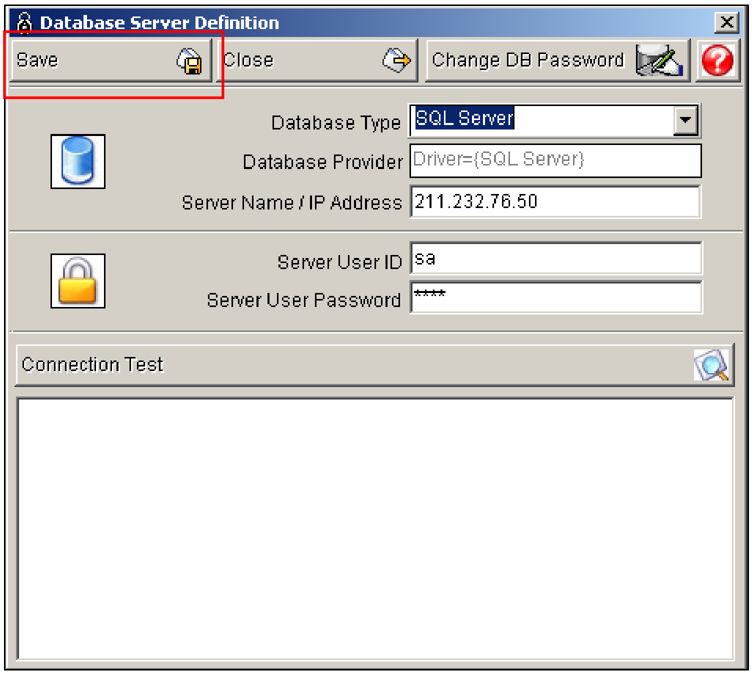
Database Server configuration is used for connecting to SQL Server. Database Type is consisted of SQL and MSDE. After inputting 'Server User ID' and 'Server User Password' Click 'Connect Test'.

- Start

Click Database -> Database Server Definition.

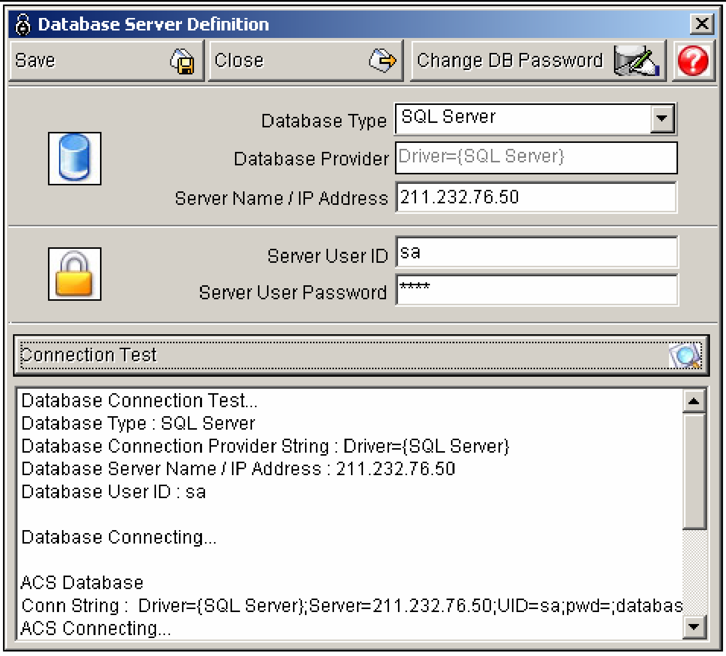
- Save

After inputting Server type, Server User ID and Server User Password, click Save button to save input data.



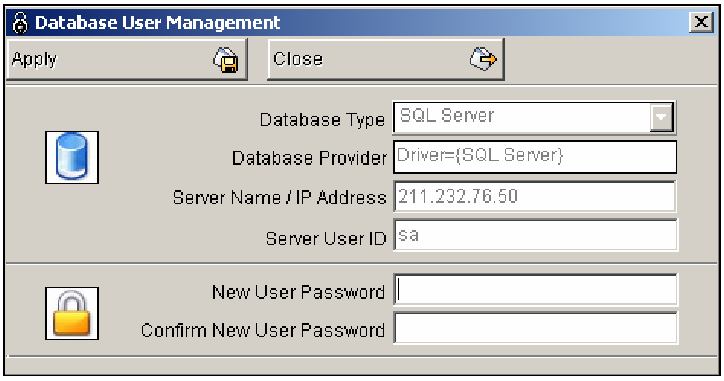
- Connect Test

To test whether database connection is succeeded or not, Click Connect Test. If color of font is blue then Connect is succeeded. If color of font is red, Connect is failed. In that case modify the configuration.



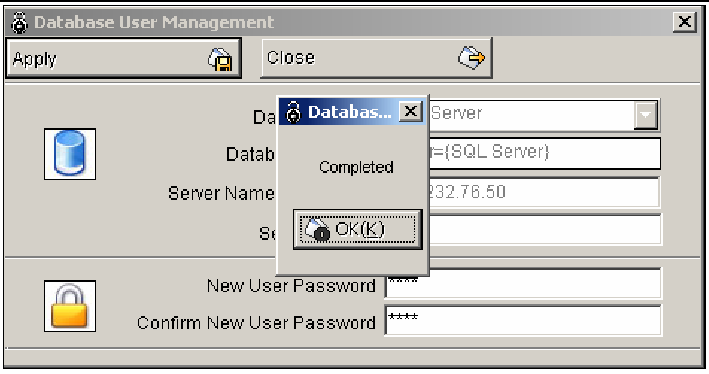
- Change DB Password

  To change DB Password please click 'Change DB Password' button. Below screen will be popped up.



Please input New User Password. New User Password should be input twice. So input password again in 'Confirm New User Password'. Then click 'Apply' Button.

If Password change is successful, below message will be shown.



Area/Floor Definition

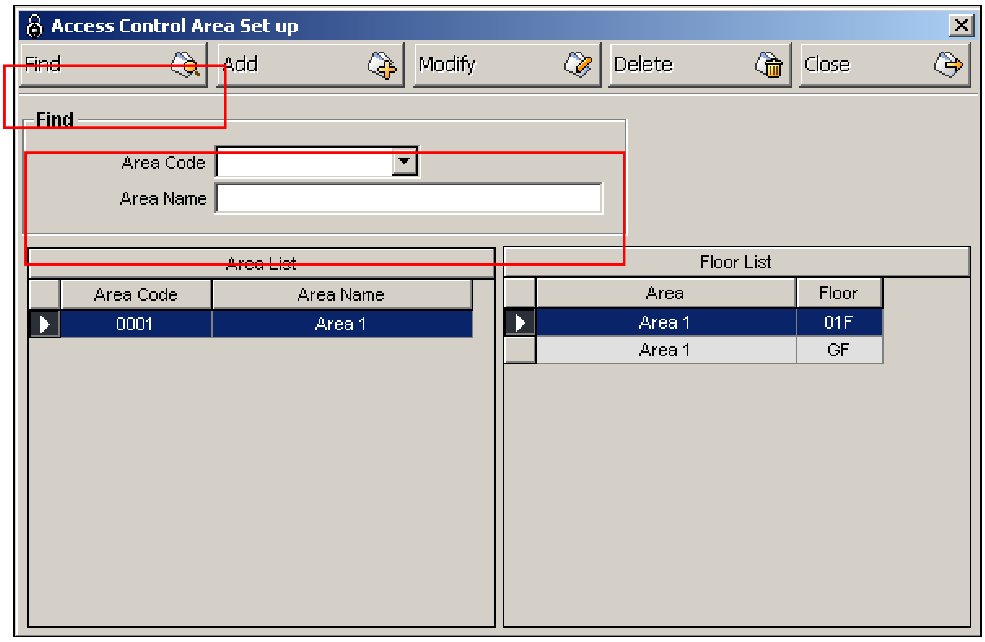
Area/Floor configuration is used for default data creation to distinguish access door, reader, and sensors by installed locations. Multiple buildings can be designated by area, and the floors correlating to the area can be distinguished.

- Start

  Click Database->Area/Floor definition or press Ctrl+P on keyboard.

- Find

  Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.



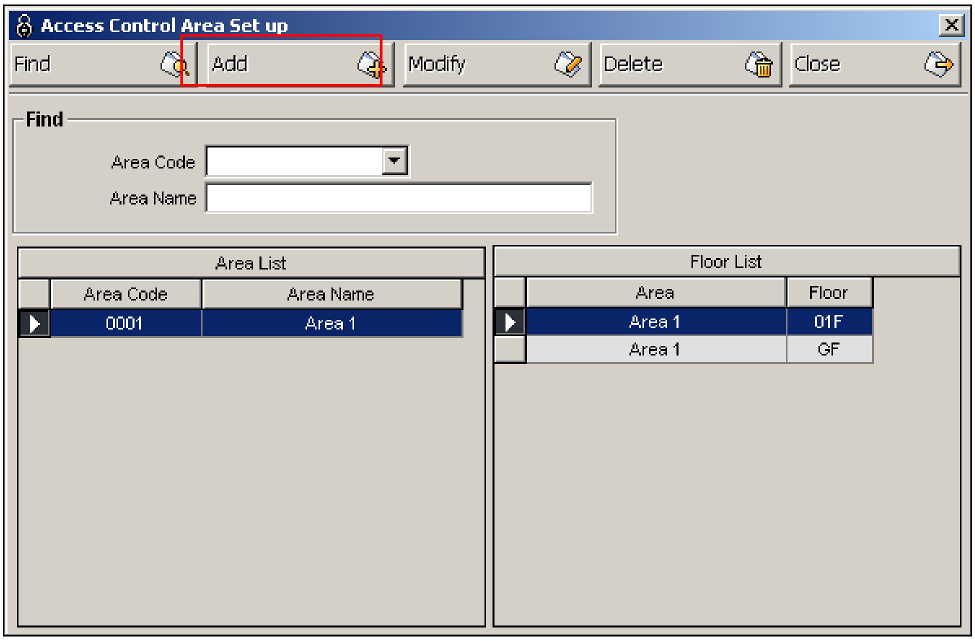
1) Input or select Find condition.

2) Click Find to make an inquiry. If inquired result is available, the following screen appears.

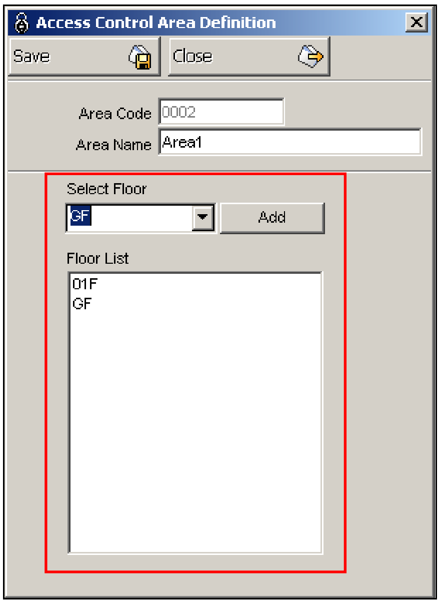
If find has no specfic parameters, it will display the entire information

- Add

Add is used to create fresh data. Click Add to input data of area and floor through the input screen.



1) Click Add and the screen below appear.



2) Input area code. If already registered code is used, it will not register, but only a fresh area code. Do not overlap Area Code.

3) Input area name.

   Select floor then click Add button. It will show up in Floor List window. Repeat this procedure to add additional floors.

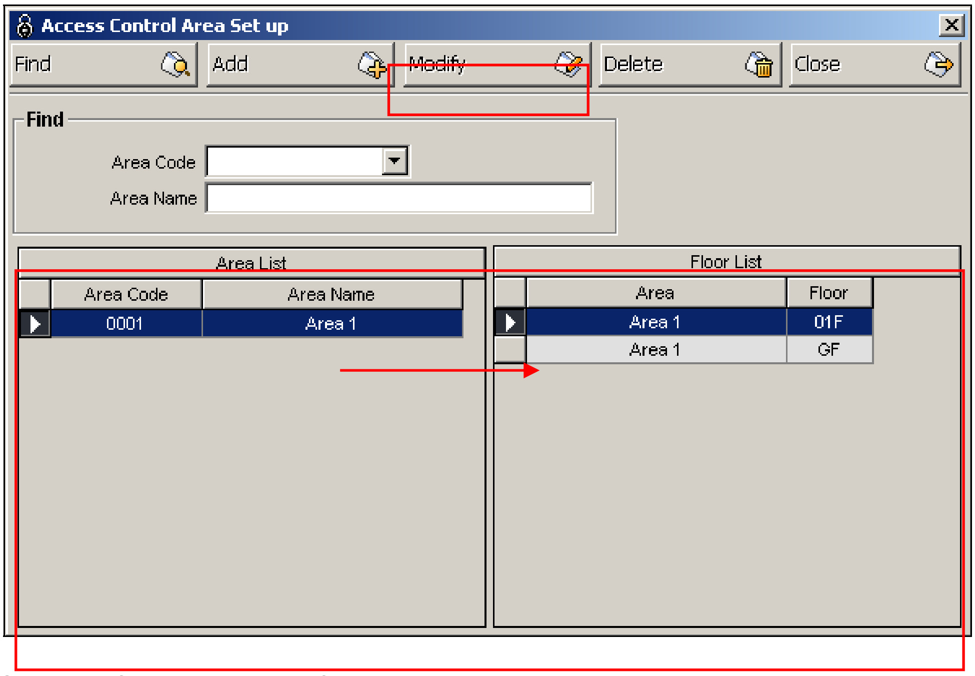
4) If all the floors are added to the area, click Save button to save.

5) Click Close to finish.

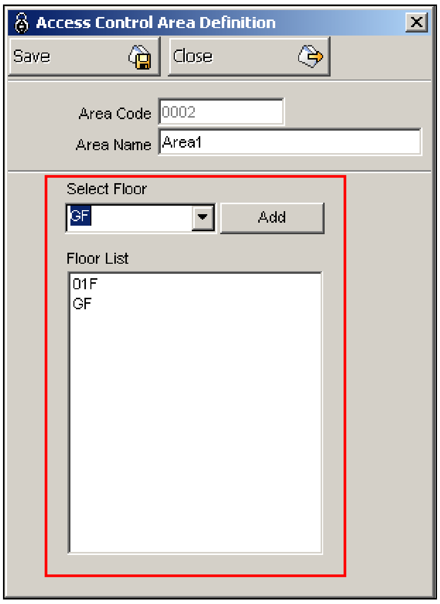
- Modify

Modify is used to change existing data inputted. Find data to modify or to change registered content.

Selected data is displayed as below figure in highlighted blue bar. Selecting the Area will display the corresponding floors on the right hand side content.



1) Click Modify button and the following screen appears. This screen is identical to register screen. Area Code cannot be modified in this mode.



2) Modify Area Name and data by Delete or Add function.

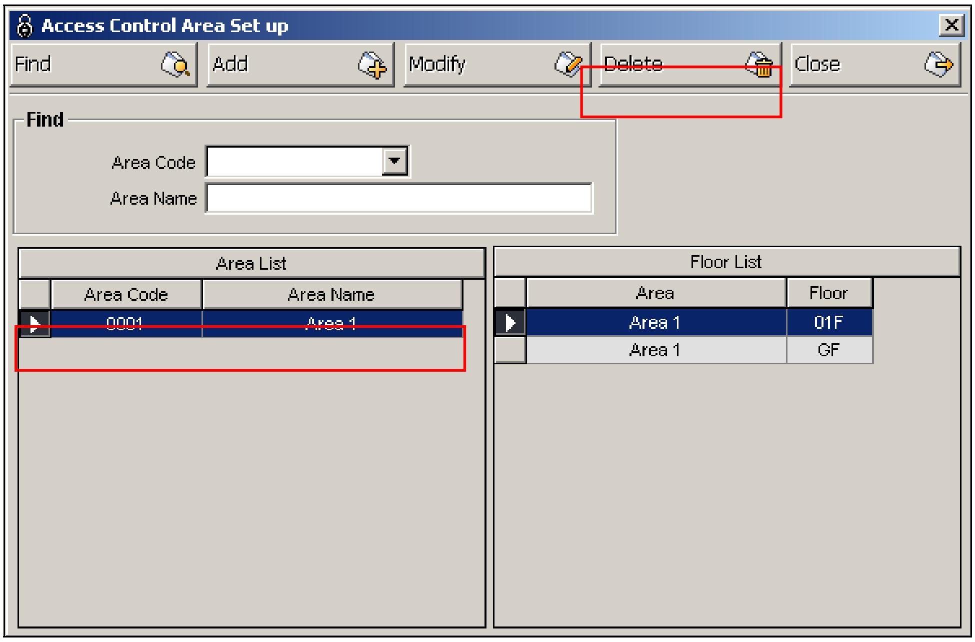
3) Click Save button to save data, then click Close button to finish.

■ Delete

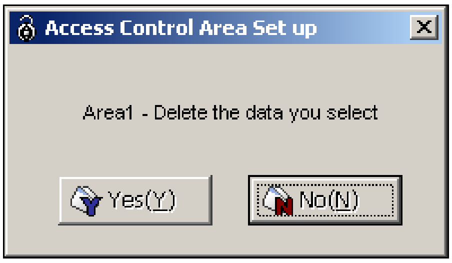
Delete is used to delete existing inputted data. Find data to delete or to delete registered content data.

Selected data is displayed as below figure in highlighted blue bar.

Deleting the Area data will also delete the corresponding floor data.



1) Click Delete button. The screen below will appear. Click Yes button to delete or No button to cancel.



Company Definition

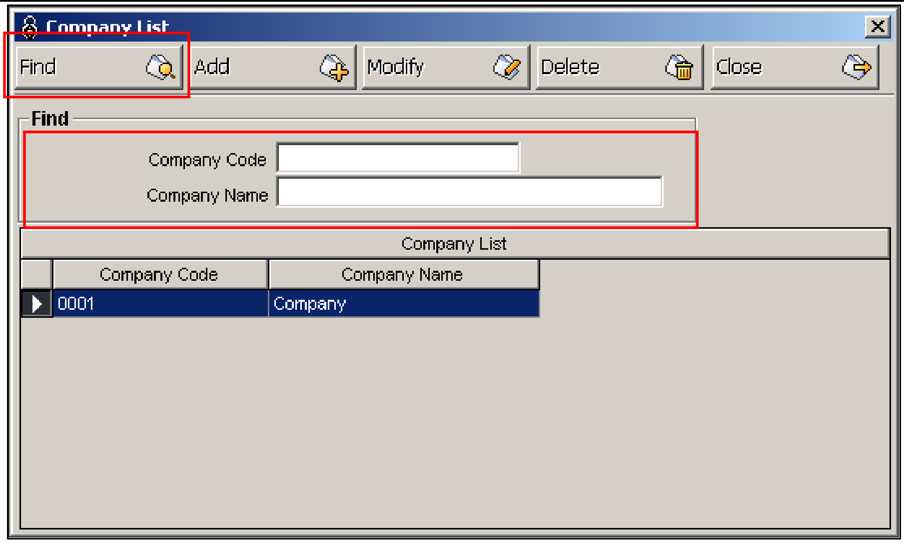
Input company name using the system.

■ Start

Select Database->Company Definition or press shortcut key Ctrl+L.

■ Find

Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.



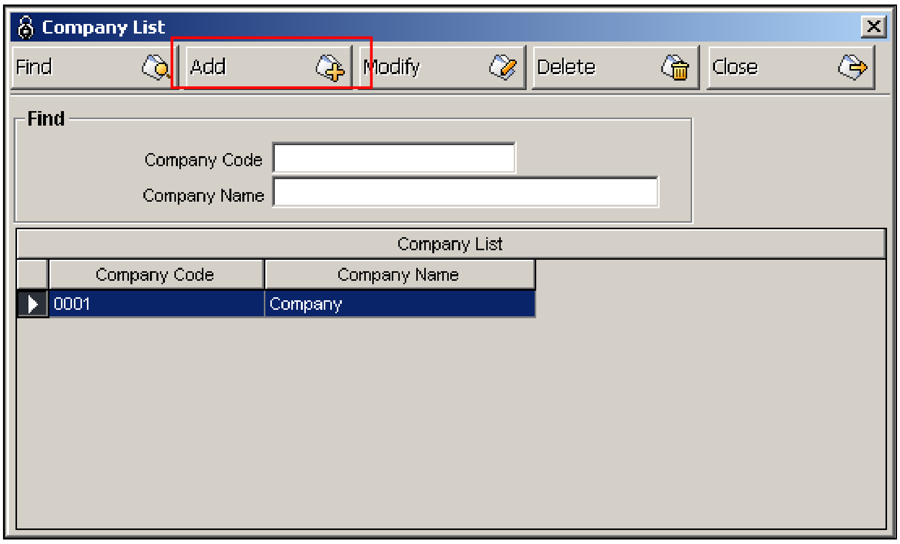
1) Input Company Code and Company Name as appropriate.

2) Select Find to make an inquiry. If inquired result is available, the following screen appears.

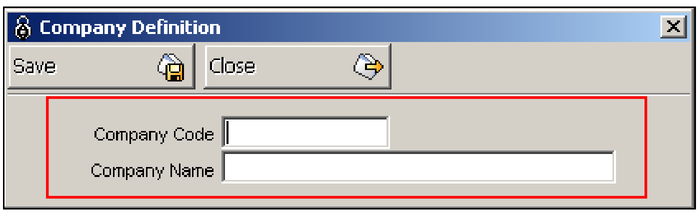
If find has no specific parameters, it will display the entire information

- Add

Add is used to create new data. Select Add button to add a data through input screen.



1) Select Add button and the following screen appear.



2) Input Company Code. If using a registered code, it will not register and a code being used message is displayed. Do not overlap the Company Code in use.

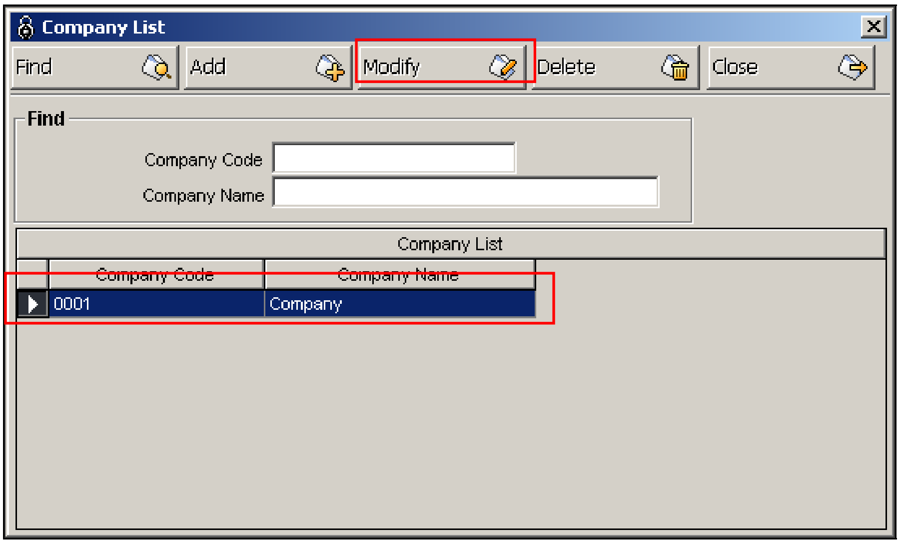
3) Input Company Name.

4) Select Save button to save and select Close button to finish.

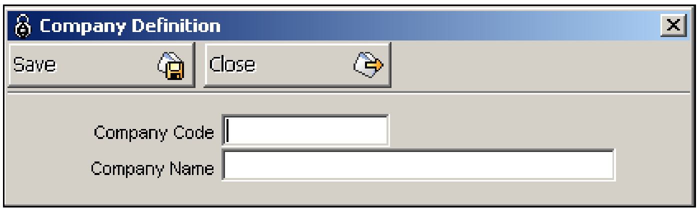
■ Modify

Modify is used to change existing data. Find data to modify or to change registered content.

Selected data is displayed as below figure in highlighted bar.



1) Select Modify button and the following screen appear. This screen is identical to register screen. Company Code cannot be modified in this mode.



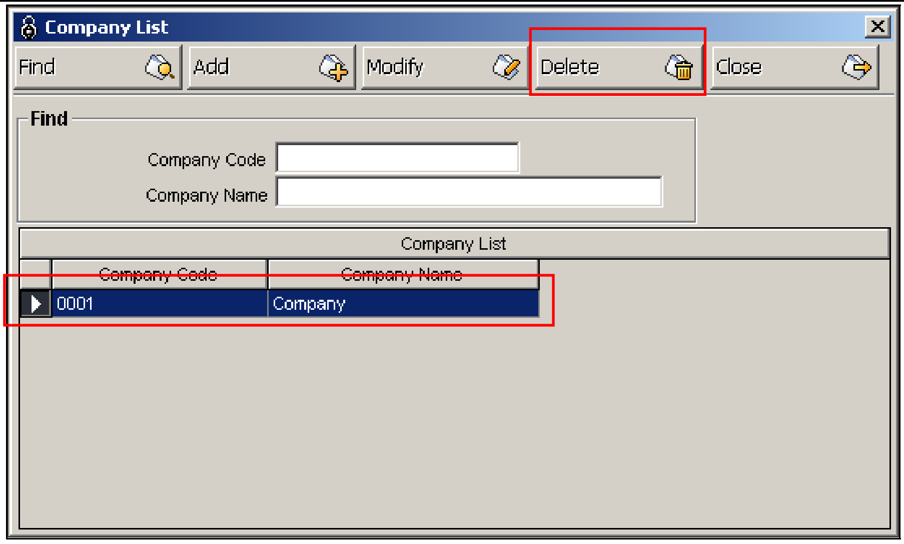
2) Modify data.

3) Select Save button to save data then select Close button to finish.

■ Delete

Delete is used to delete existing data. Find data to delete or to delete registered content data.

Selected data is displayed as below figure in highlighted bar.



1) Select Delete button. The screen below will appear. Select Yes button to delete or No button to cancel.



The Department, Title, and Access Type can be setup as identical process in Company registration. Detailed instruction is omitted.

Department Definition

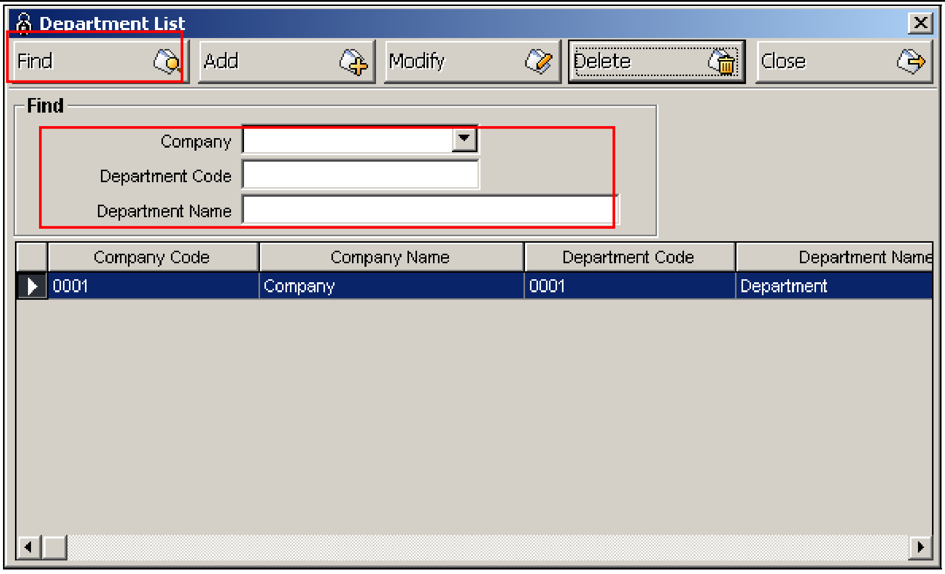
Input Department name using the system.

- Start

  Select Database->Department Definition or press shortcut key Ctrl+M

- Find

  Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.



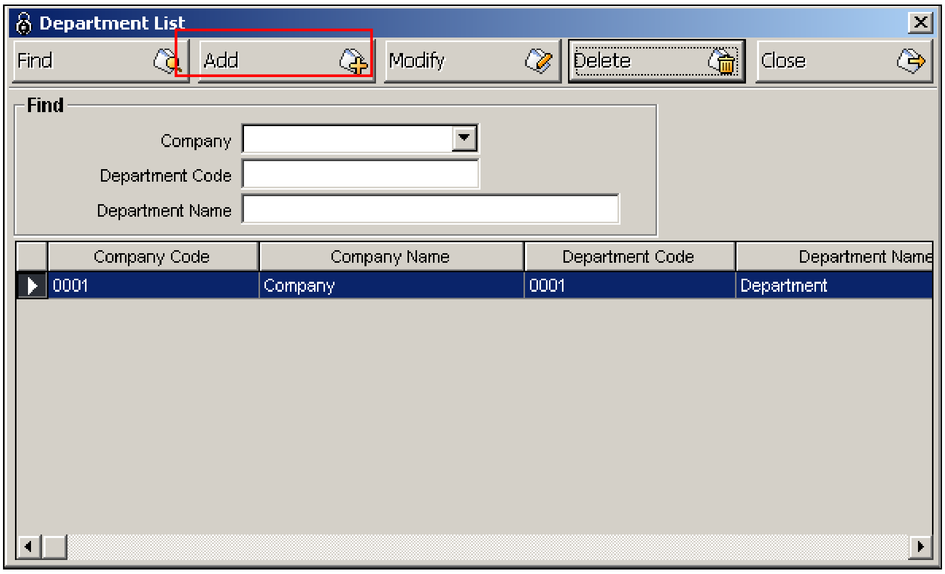
1) Select Company and input Department Code and Department Name as appropriate.

2) Select Find to make an inquiry. If inquired result is available, the following screen appears.

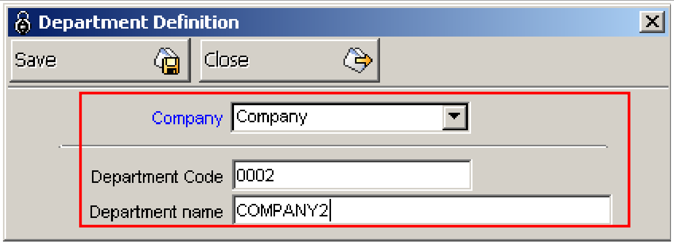
If find has no specific parameters, it will display the entire information

■ Add

Add is used to create new data. Select Add button to add a data through input screen.



1) Select Add button and the following screen appear.



2) Select Company and Input Department Code. If using a registered code, it will not register and a code being used message is displayed. Do not overlap the Department Code in use.

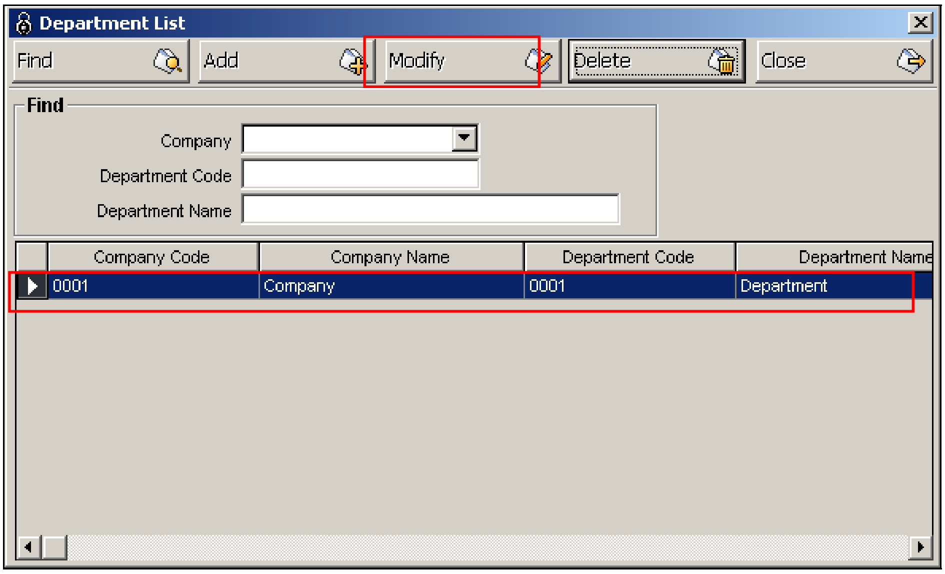
3) Input Department Name.

4) Select Save button to save and select Close button to finish.

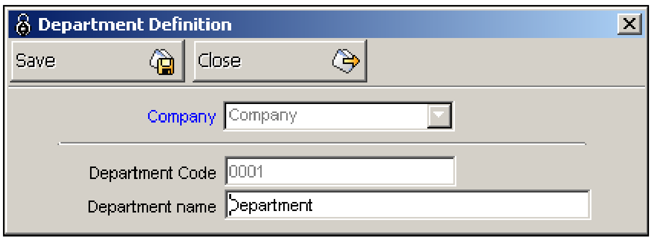
■ Modify

Modify is used to change existing data. Find data to modify or to change registered content.

Selected data is displayed as below figure in highlighted bar.



1) Select Modify button and the following screen appear. This screen is identical to register screen. Company and Department Code cannot be modified in this mode.



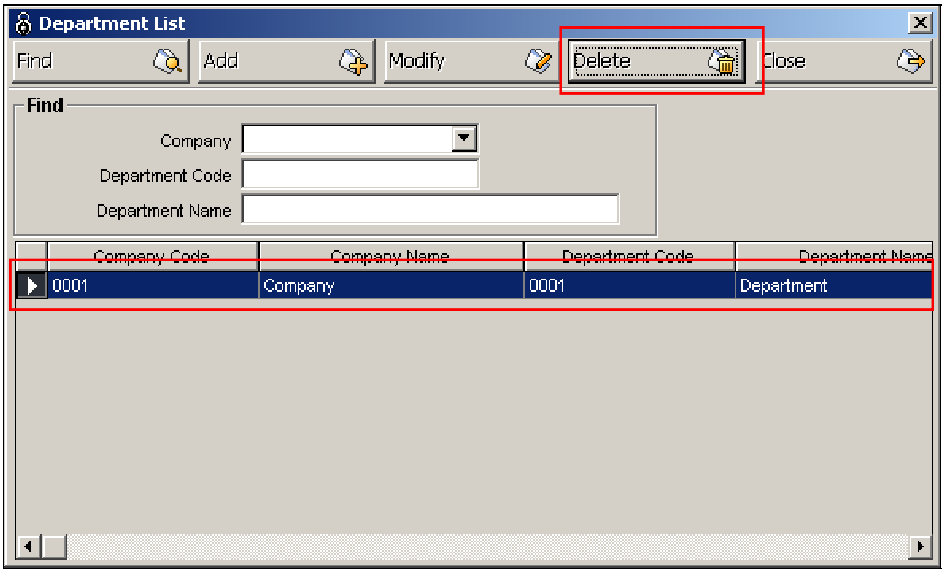
2) Modify data.

3) Select Save button to save data then select Close button to finish.

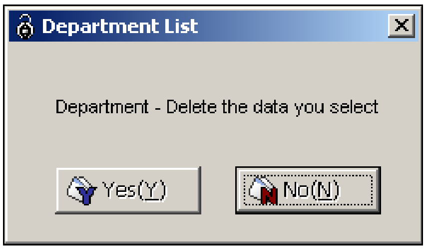
- Delete

  Delete is used to delete existing data. Find data to delete or to delete registered content data.

  Selected data is displayed as below figure in highlighted bar.



1) Select Delete button. The screen below will appear. Select Yes button to delete or No button to cancel.



Title Definition

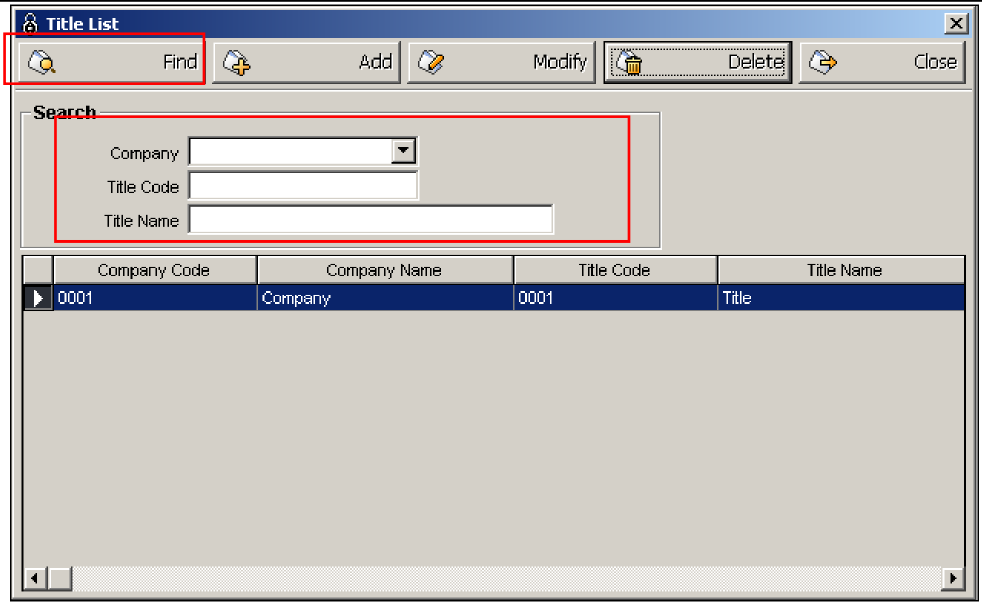
Input Title name using the system.

- Start

  Select Database->Title List or press shortcut key Ctrl+N

- Find

  Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.



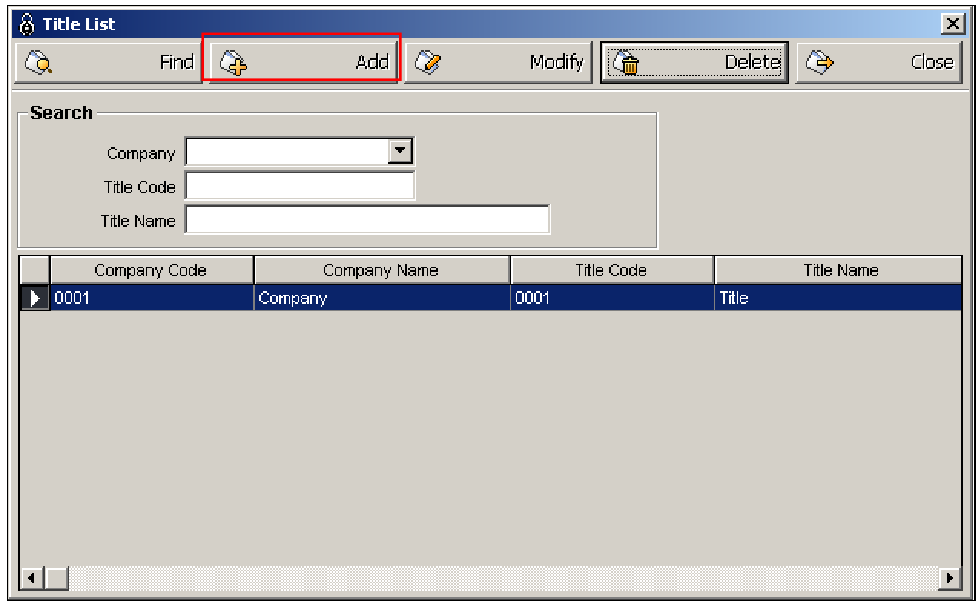
1) Input Title Code and Title Name as appropriate.

2) Select Find to make an inquiry. If inquired result is available, the following screen appears.

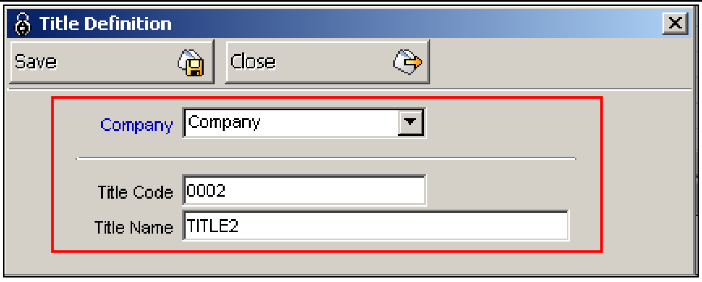
If find has no specific parameters, it will display the entire information

■ Add

Add is used to create new data. Select Add button to add a data through input screen.



1) Select Add button and the following screen appear.



2) Select Company and Input Title Code. If using a registered code, it will not register and a code being used message is displayed. Do not overlap the Title Code in use.

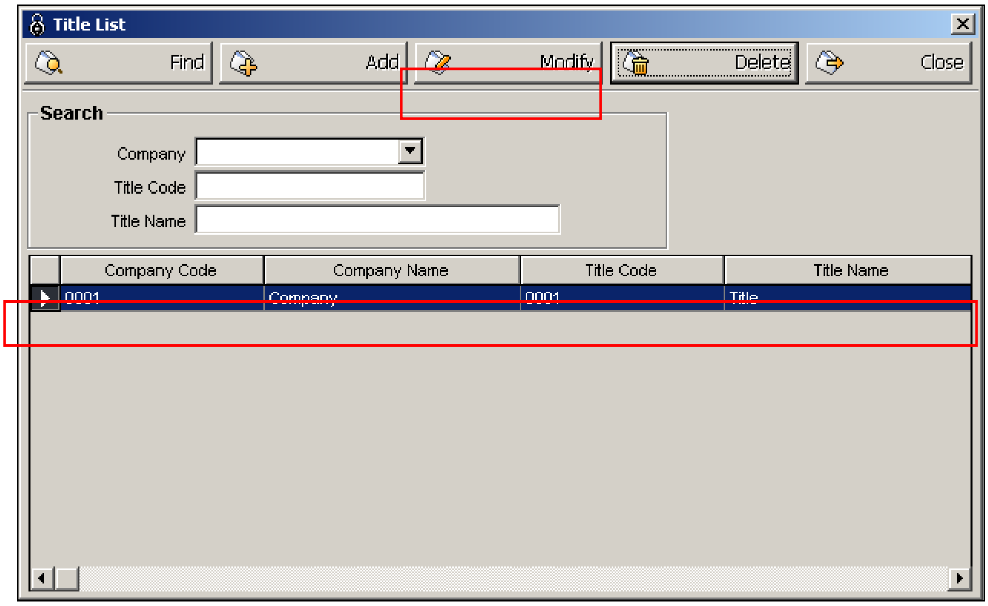
3) Input Title Name.

4) Select Save button to save and select Close button to finish.

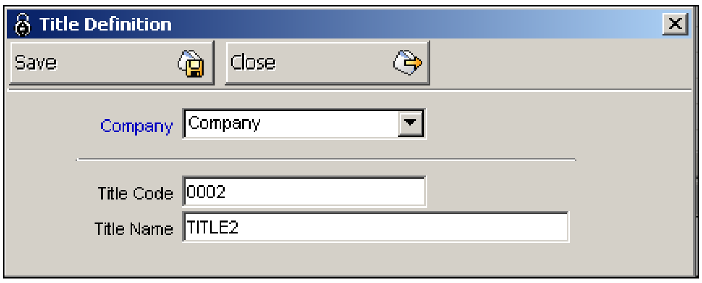
■ Modify

Modify is used to change existing data. Find data to modify or to change registered content.

Selected data is displayed as below figure in highlighted bar.



1) Select Modify button and the following screen appear. This screen is identical to register screen. Company and Title Code cannot be modified in this mode.



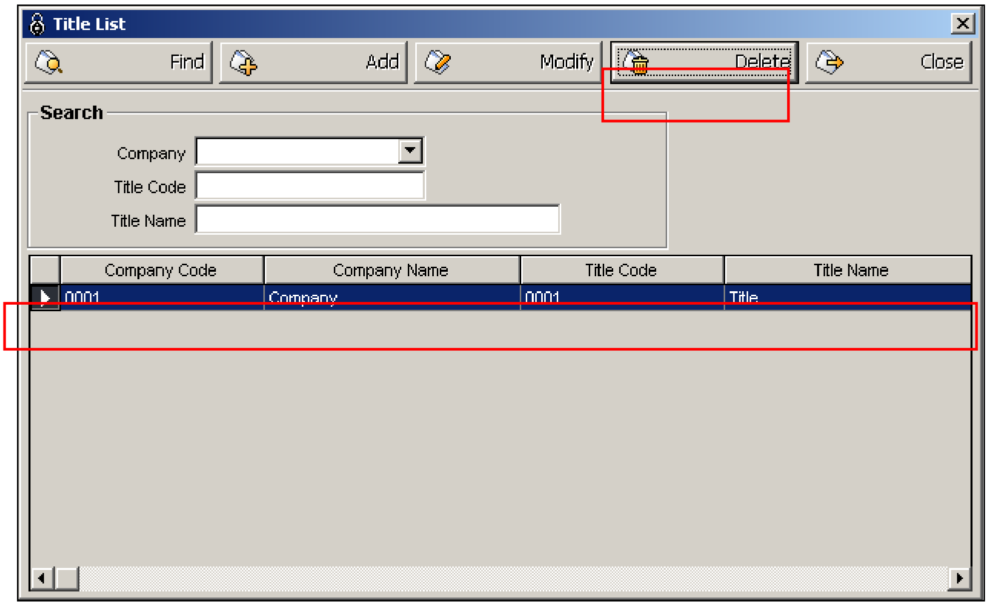
2) Modify data.

3) Select Save button to save data then select Close button to finish.

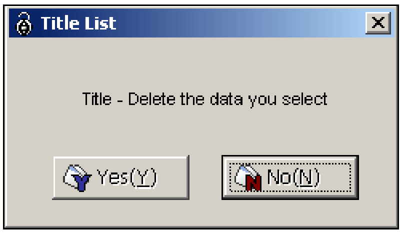
■ Delete

Delete is used to delete existing data. Find data to delete or to delete registered content data.

Selected data is displayed as below figure in highlighted bar.



1) Select Delete button. The screen below will appear. Select Yes button to delete or No button to cancel.



Access Type Definition

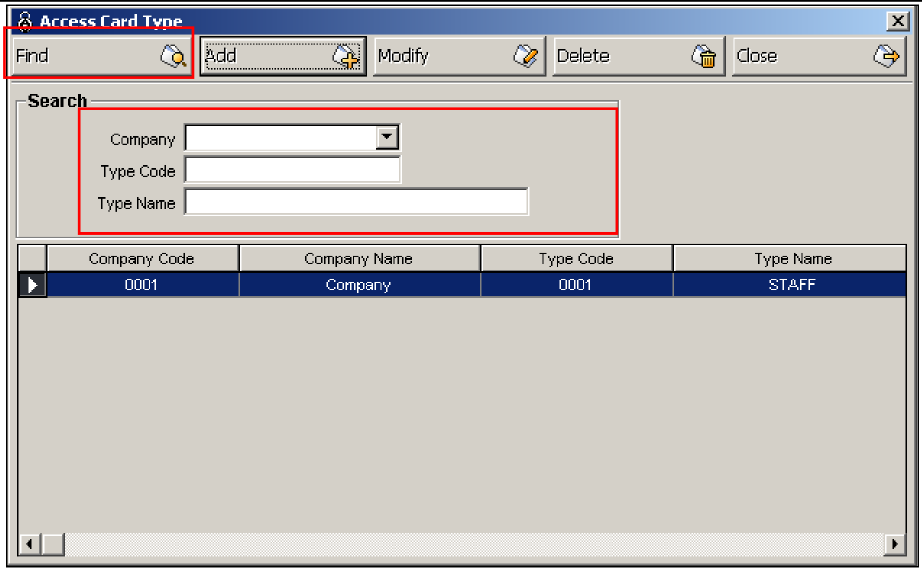
Input Access Type using the system.

■ Start

Select Database->Access Type Definition or press shortcut key Ctrl+O.

■ Find

Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.



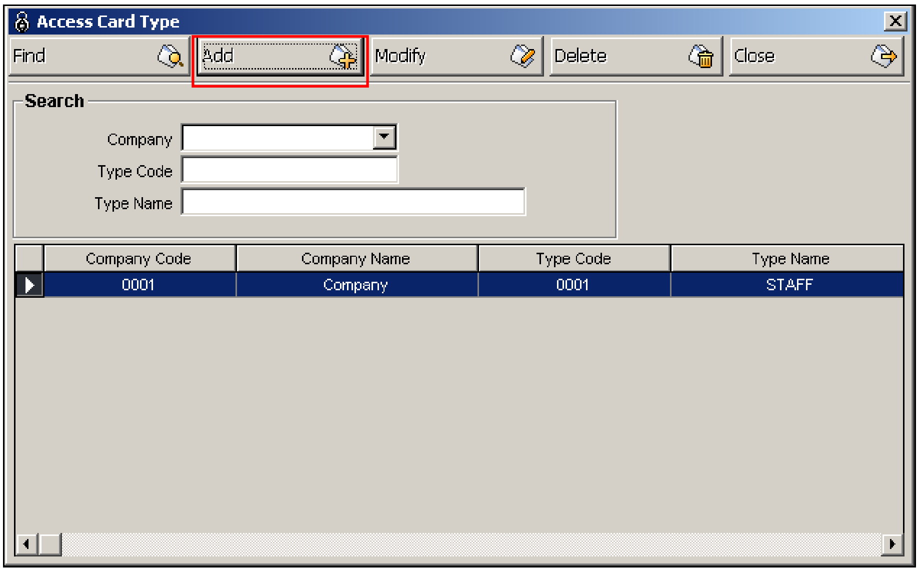
1) Select Company and input Type Code and Title Name as appropriate.

2) Select Find to make an inquiry. If inquired result is available, the following screen appears.

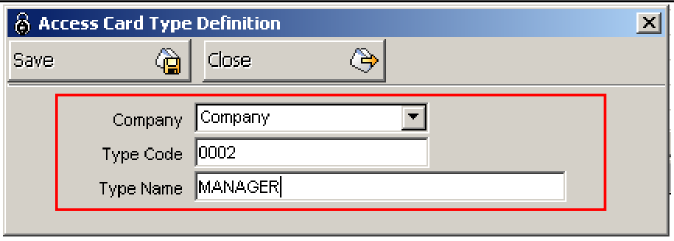
If find has no specific parameters, it will display the entire information

■ Add

Add is used to create new data. Select Add button to add a data through input screen.



1) Select Add button and the following screen appear.



2) Select Company and Input Type Code. If using a registered code, it will not register and a code being used message is displayed. Do not overlap the Type Code in use.

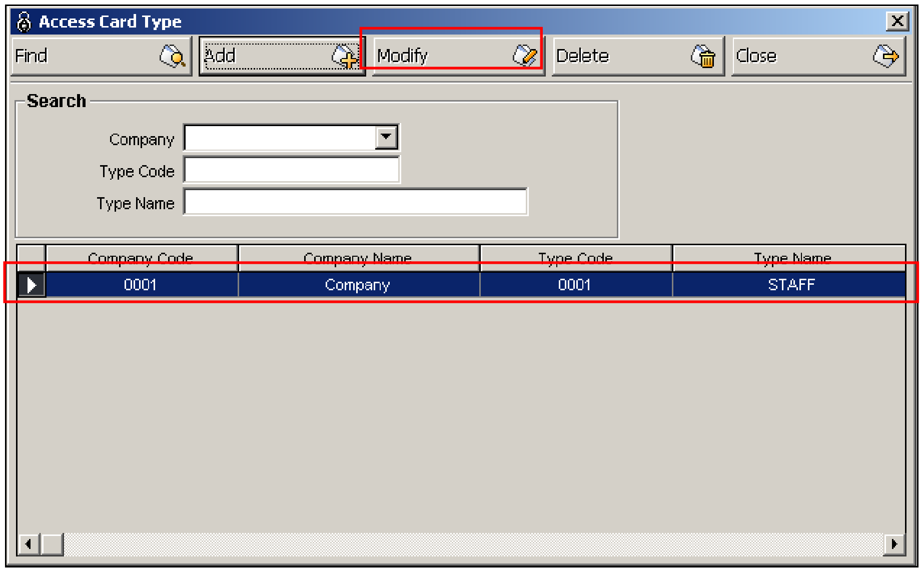
3) Input Title Name.

4) Select Save button to save and select Close button to finish.

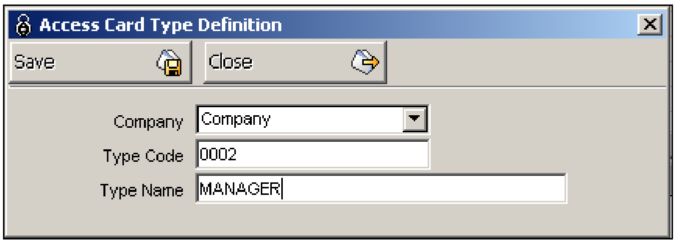
■ Modify

Modify is used to change existing data. Find data to modify or to change registered content.

Selected data is displayed as below figure in highlighted bar.



1) Select Modify button and the following screen appear. This screen is identical to register screen. Company and Type Code cannot be modified in this mode.



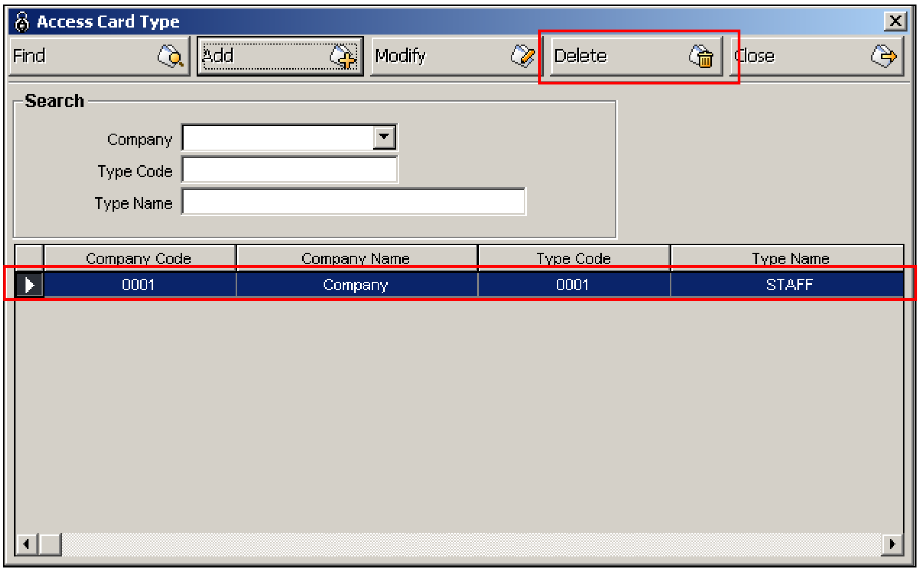
2) Modify data.

3) Select Save button to save data then select Close button to finish.

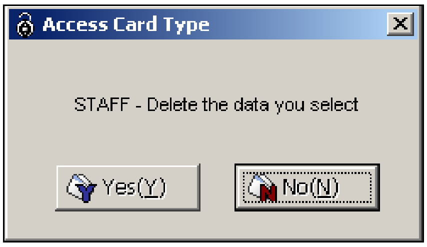
■ Delete

Delete is used to delete existing data. Find data to delete or to delete registered content data.

Selected data is displayed as below figure in highlighted bar.



1) Select Delete button. The screen below will appear. Select Yes button to delete or No button to cancel.



User Definition

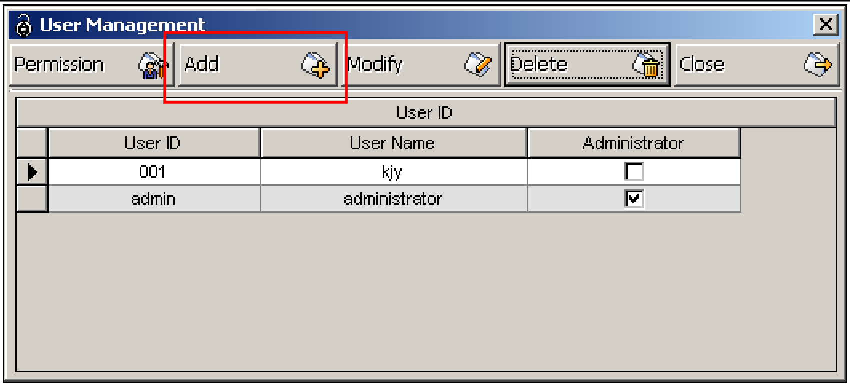
This function registers the user to operate STARWATCH DUAL PRO II™. For default value (admin) is registered in the program, and you can register additional user or change authority of existing user.

- Start

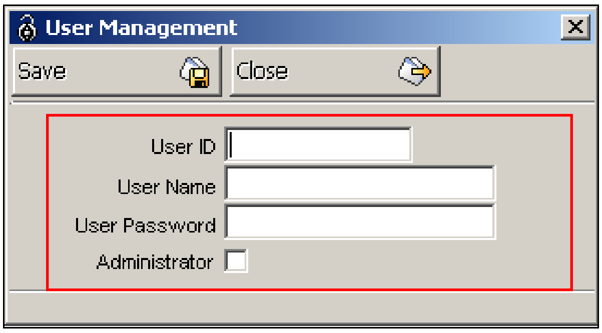
Select Database->User Management or press shortcut key Ctrl+S.

- Add

Add is used to create new data. Select Add button to add new user through input screen.



1) Select Add button and the following screen appear.



2) Input User ID. User ID cannot be overlapped.

3) Input User Name and User Password.

4) Check mark Administrator option or not.

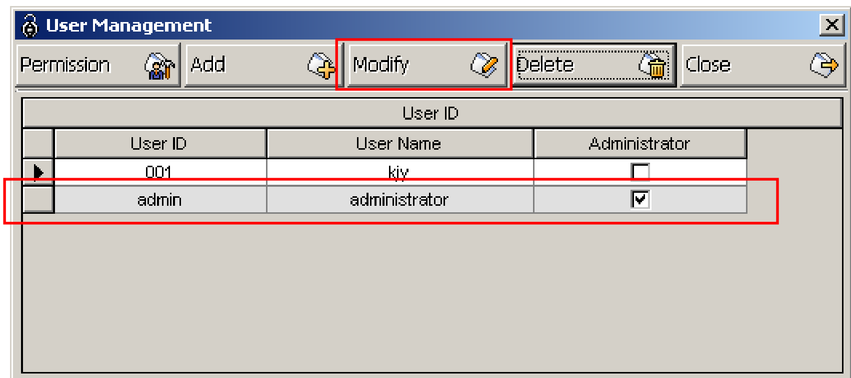
> *Administrator option gives authority to Add, Modify, and Delete user. Only the User who has this authority can perform these functions. User with no authority can use allowed functions, but not the above functions.*

5) Select Save button to save then Close to finish.

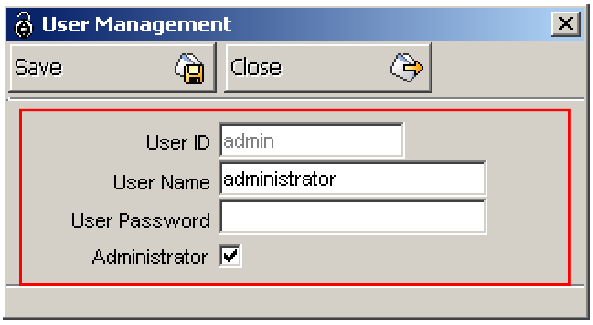
■ Modify

Modify is used to change existing data. Select data to Modify.

Selected data is displayed as below figure in highlighted bar.



1) Select Modify to see the above screen. The Modify screen is equal to registration screen. User ID cannot be changed.



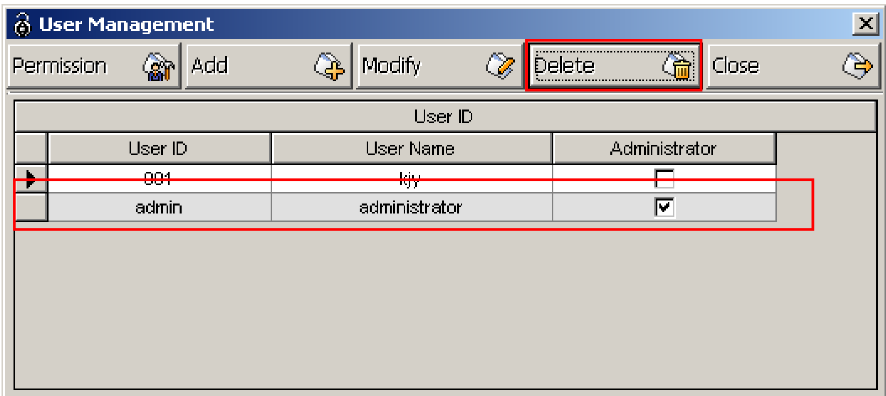
2) Modify data to change.

3) Select Save button to save data.

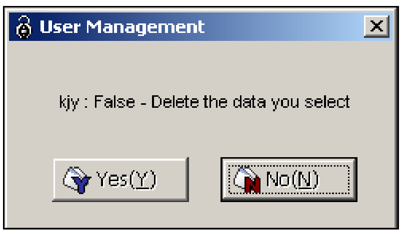
4) Select Close button to finish.

■ Delete

Delete is used to delete existing data. Find data to delete or to delete registered content data. Selected data is displayed as below figure in highlighted bar.

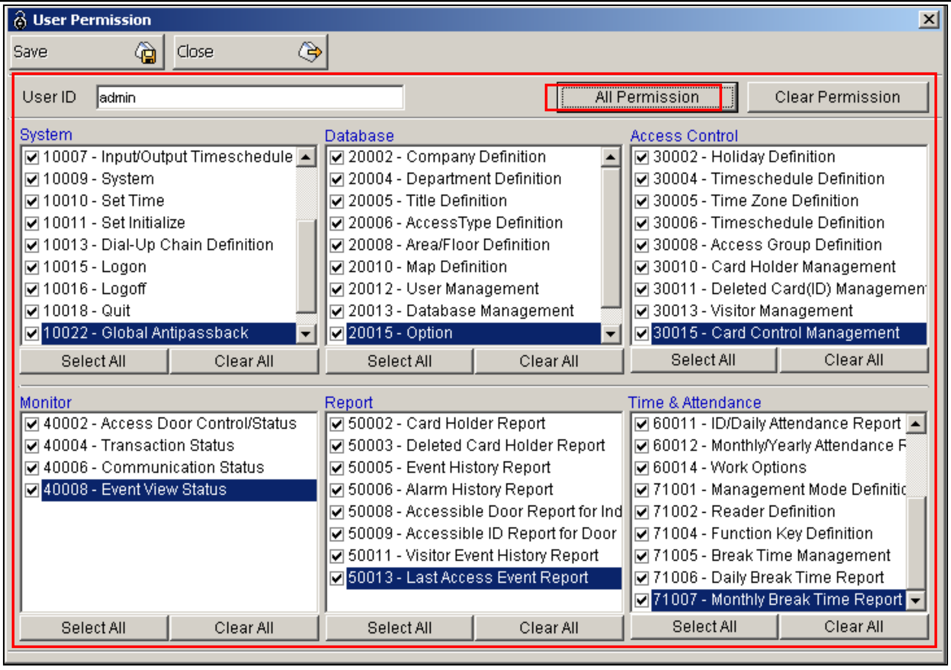


1) Select Delete button. The screen below will appear. Select Yes button to delete or No button to cancel.



■ User Permission

This function sets the permission of use for each function type. User can only use functions with permission designation, and this function can setup entire function or parts of it.



User Permission is categorized in menu type as shown above. User can setup use permission under each sub menu category under main category.

1) For use permission, check mark the item and if canceling use authority, uncheck mark item.

   - ✓ All Permission Grant: Setup all authority at once.
   - ✓ All Permission Cancel: Setup all authority as cancelled.
   - ✓ Select All: Setup use authority of corresponding menu at once.
   - ✓ Clear All: Cancel use authority of corresponding menu at once.

2) Once completed, select Save button to save.

3) Select Close button to finish.

Option

Option lets the user activate additional functions on user setup. User can designate event type database store and display of data, and setup a separate sound file for playing out the sound during an event occurrence.

Also, when the event occurs, the setup of designated email recipient will send out the event occur status automatically.

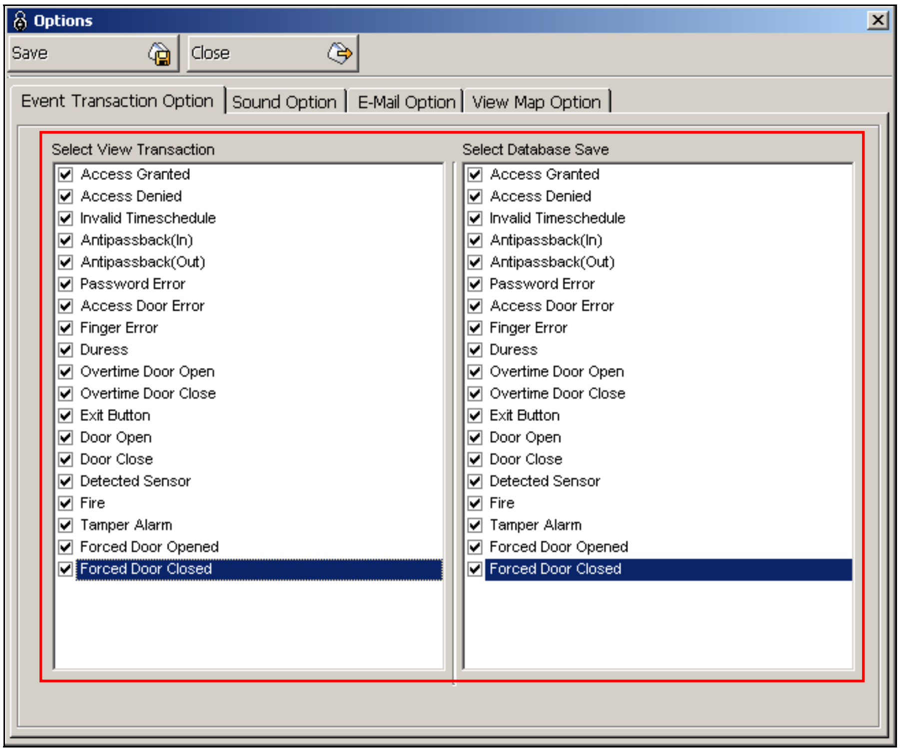
Also, sets the option of map display when some event occurs with connection to the map display.

- Start

  Select Database->Option or press shortcut key Ctrl+U.

- Event Transaction Option

This sets the whether or not to save Event Type database and to display event in Event Status screen.



1) Checkmark the items for event occur display on monitor. If display is not necessary, cancel check mark.

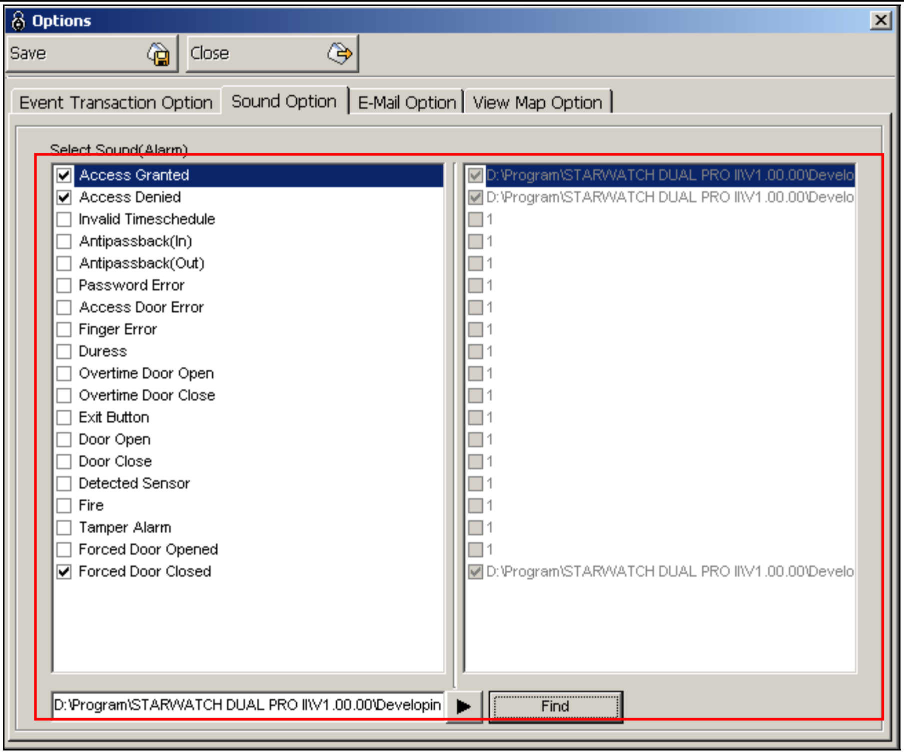
2) Check mark the items for event occur database save. If save is not necessary, cancel the check mark.

3) Select Save button to save then select Close button to finish.

4) Select Close button to finish.

■ Sound Option

This designates sound file by event type. Once implemented, when an event occurs the setup sound file plays through a speaker with sound card in PC alerting the event status.



1) Check mark the items for sound play during an event occurrence. If sound play is not necessary, cancel check mark.

2) Select Search button on bottom to find sound file. Selecting the file displays in Select Sound (Alarm) window. Right hand side window displays the matched sound file.

Sound file can only be selected as wav. File. To play the sound, a PC with sound card and speaker is required.

3) Select Save button to save.

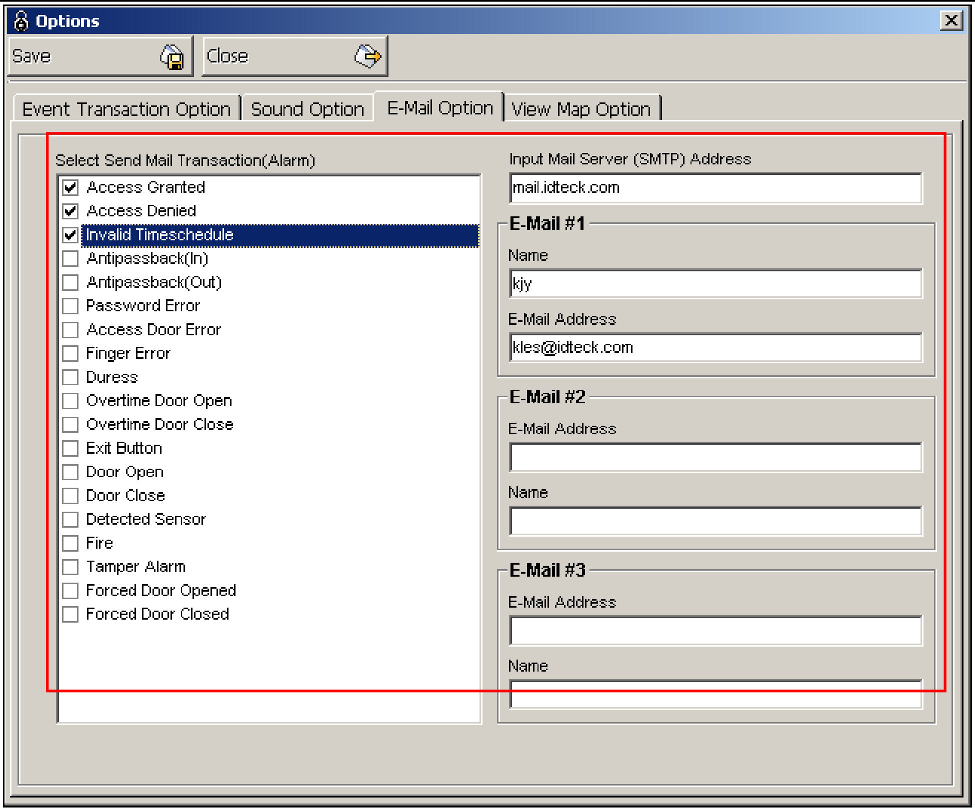
4) Select Close button to finish.

■ Email Option

This function sends out email up to 3 recipients when a specific event occurs if setup. Email contains date of event, time, event location, and type of event as data.

To use this option, the operating PC must be connected to a network.

This can be used with onsite mail server at company, and requires POP3 support to use this option. If POP3 is not supported, this option will not work.



1) Checkmark the items for e-mail transaction during an event occurrence. If transaction is not necessary, cancel check mark.

2) Input Mail Server (SMTP) address.

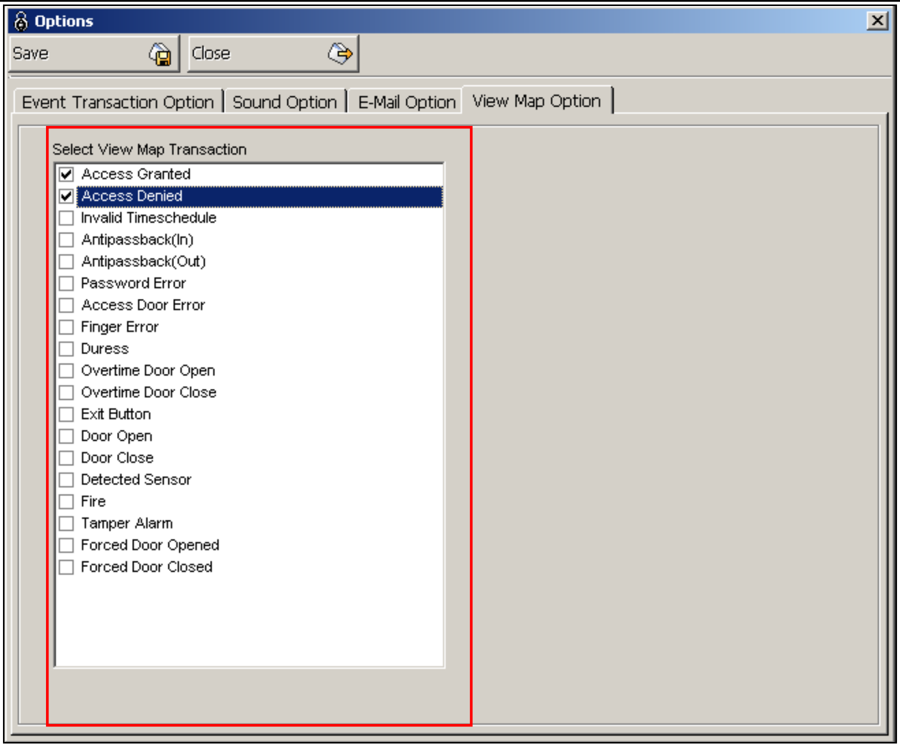
3) Input Name and Email Address of up to 3 recipients.

4) Select Save button to save.

5) Select Close button to finish.

■ View Map Option

If a map is setup, it will automatically display when a specified event occurs. Here the event type map display presence is setup. View Map Option needs to be setup to display map automatically.



1) Check mark the items for map display during an event occurrence. If map display is not necessary, cancel check mark.

2) Select Save button to save.

3) Select Close button to finish.

Access Control

Access Control Management contains functions required for User Management. A Detail regarding access is setup and user registered. Setup data is transmitted to controller.

Holiday Definition

This function connects to Time Schedule to apply. Time Schedule can be setup from Mon-Sun with designated time for each day.

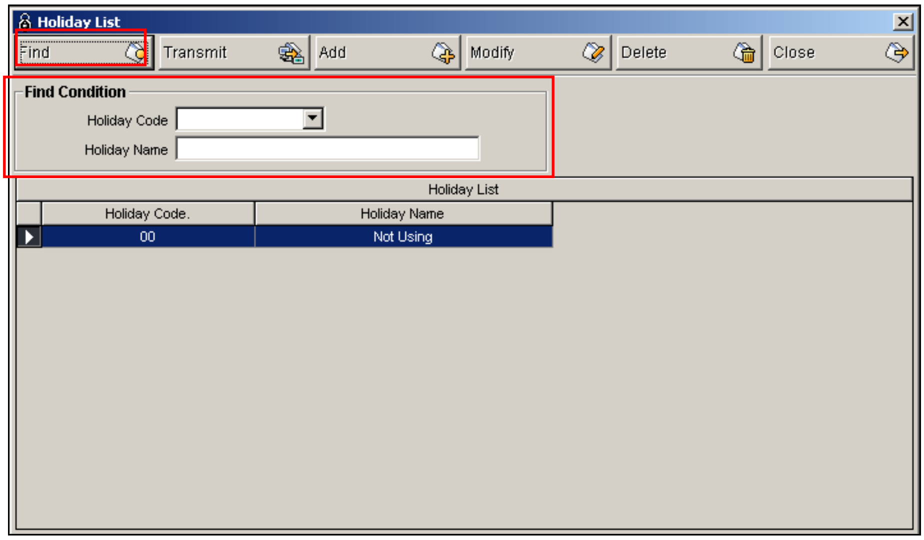
For this function, the holiday data needs to be initially setup. Holiday Definition is to apply holiday to Time Schedule and transmit to controller to setup.

- Start

  Select Access Control ->Holiday Definition or press shortcut key F2.

- Find

  Find is used to get relevant information pertaining to the inquiry when information is available. It is used to modify and delete the existing data information.

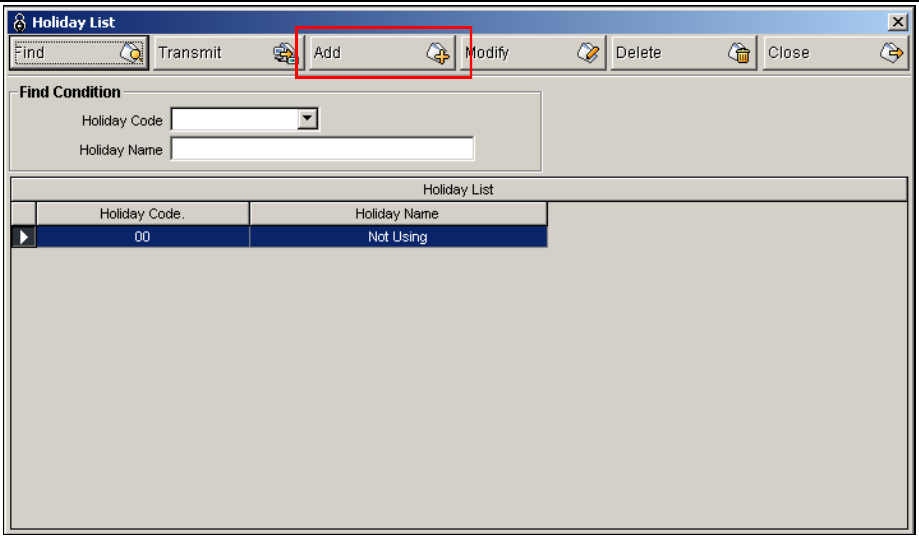


1) Input Holiday Code and Holiday Name as appropriate.

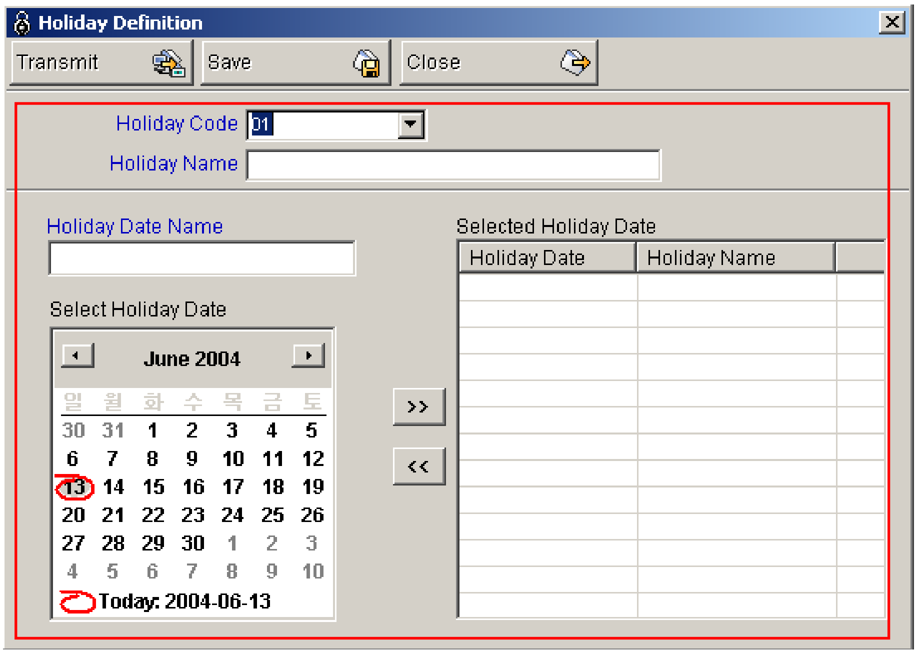
2) Select Find to make an inquiry. If inquired result is available, the following screen appears.

- Add

  Add is used to create new data. Select Add button to add holiday through input screen.



1) The following screen appears after selecting Add.

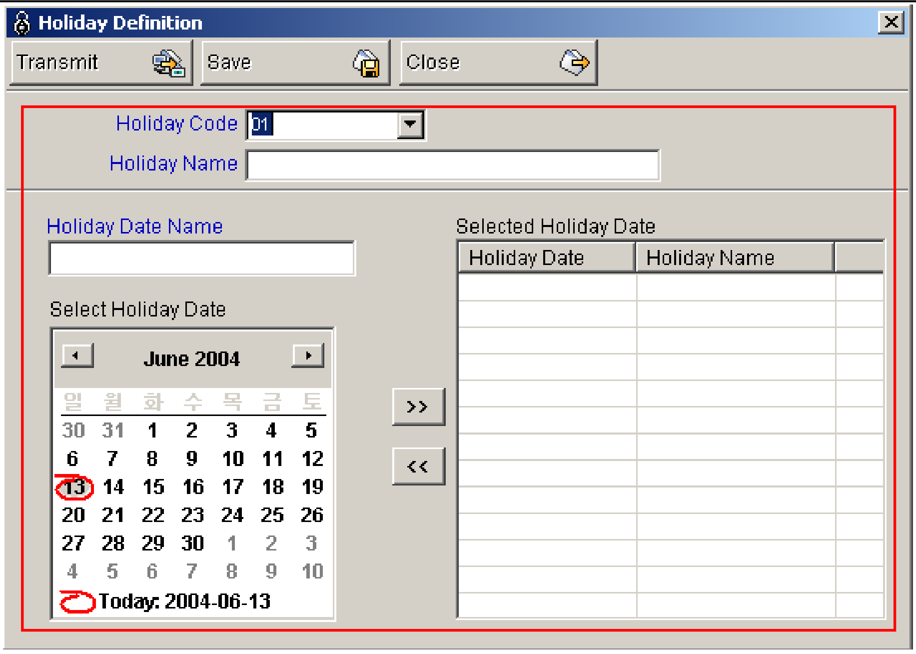


2) Select Holiday Code. (Holiday Code can be used from 01-10 giving 10 codes for use)

3) Input Holiday Name to be saved.

4) Select the corresponding date, and double click the date on the calendar or select >> button.

5) If an exception is needed on a selected Holiday, select the corresponding date and double click or select << button.

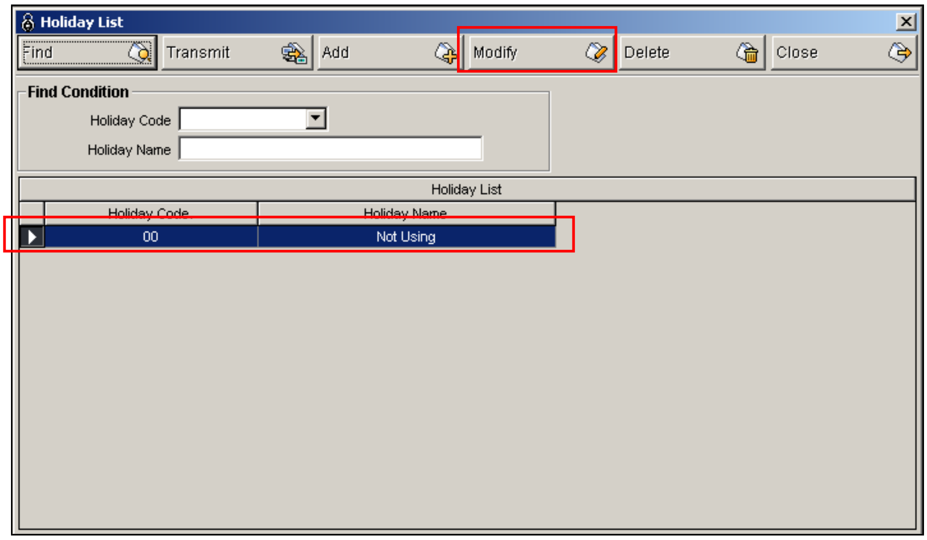


6) Select Save button to save data, and select Close button to finish.

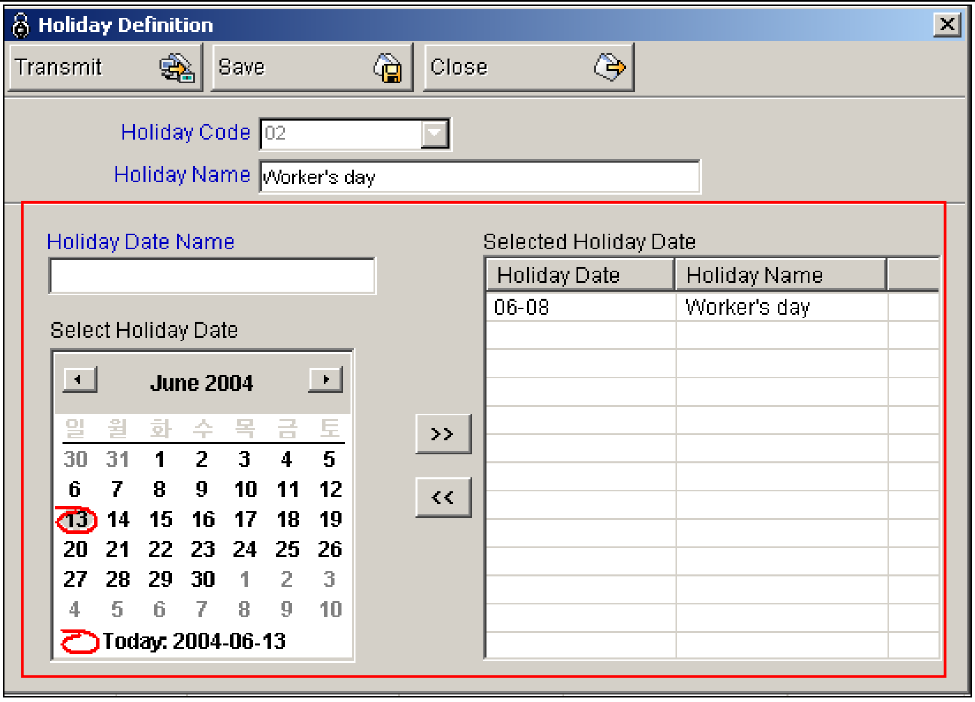
■ Modify

Modify is used to change existing data. Find data to modify or to change registered category.

Selected data is displayed as below figure in highlighted bar.



1) Select Modify to see the following screen. The Modify screen is equal to registration screen. Holiday Code cannot be changed.



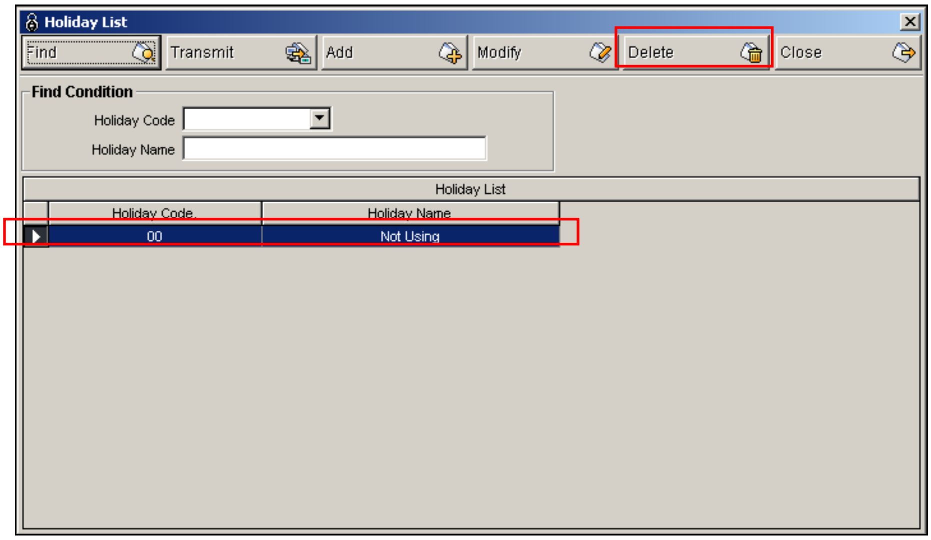
2) Modify the items to be changed.

3) Select Save button to save data, and select Close button to finish.

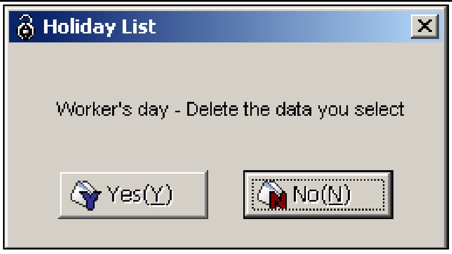
■ Delete

Delete is used to delete existing data. Find data to delete or to delete registered content list data.

Selected data is displayed as below figure in highlighted bar.



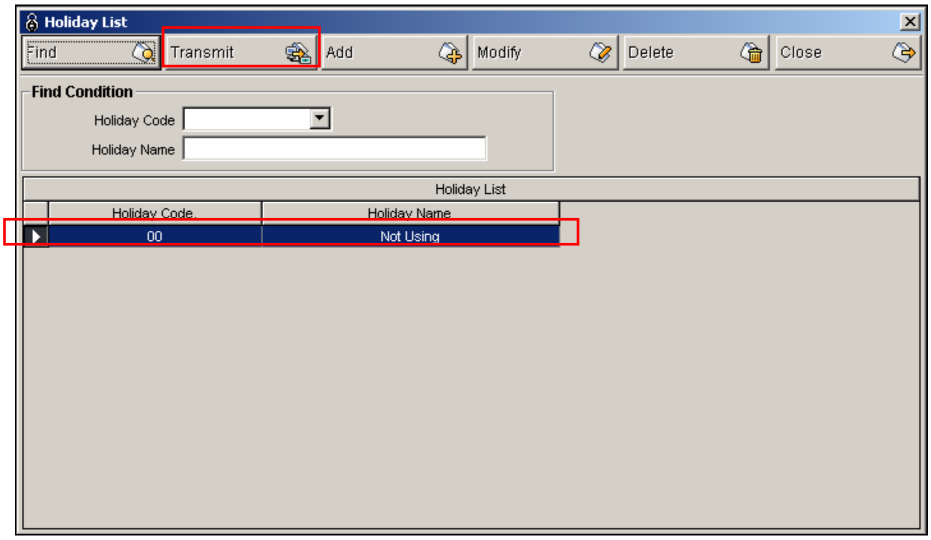
1) Select Delete button. The screen below will appear. Select Yes button to delete or No button to cancel.



■ Transmit

This function is used to send the setup functions to the controller for activation. Use Find to search for data transmit or select the data from the registered reader categories to send.

Selected data is displayed as below figure in highlighted bar.



1) Select Transmit button. This will send the selected data to the corresponding Controller No for application.

If an error does occur, detailed explanation is displayed in a message box.

In this case, retransmit the data, but if the error continues, check the communication and controller for problems.

Time Zone Definition

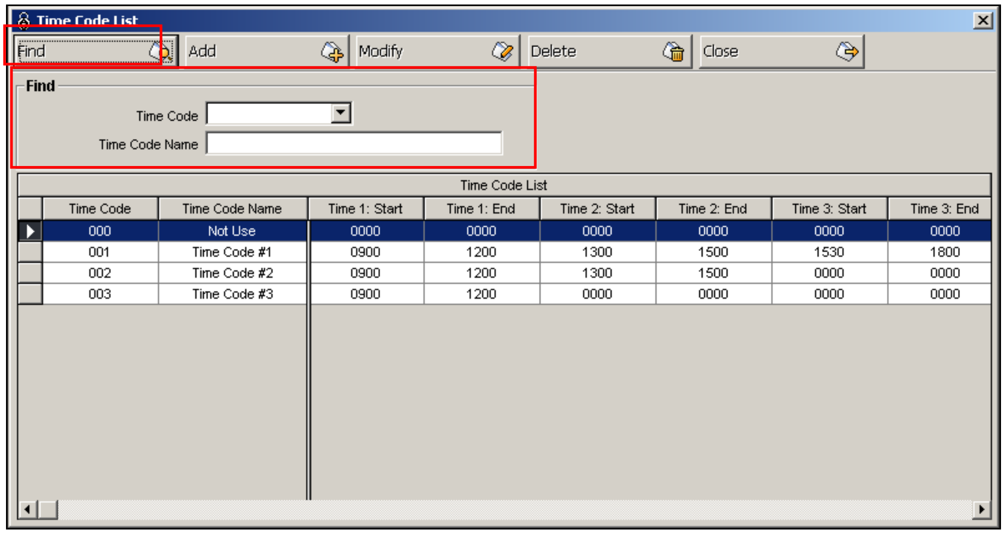
This function sets the access time as 24 hours or divided into 5 time sections within 24 hours. These data is setup in Time Schedule as per day.

■ Start

Select Access Control->TimeSchedule Definition->Time Zone Definition List or press shortcut key F3.

- Find

Find is used to get relevant information pertaining to the inquiry when information is available. It is used to modify and delete the existing data information.

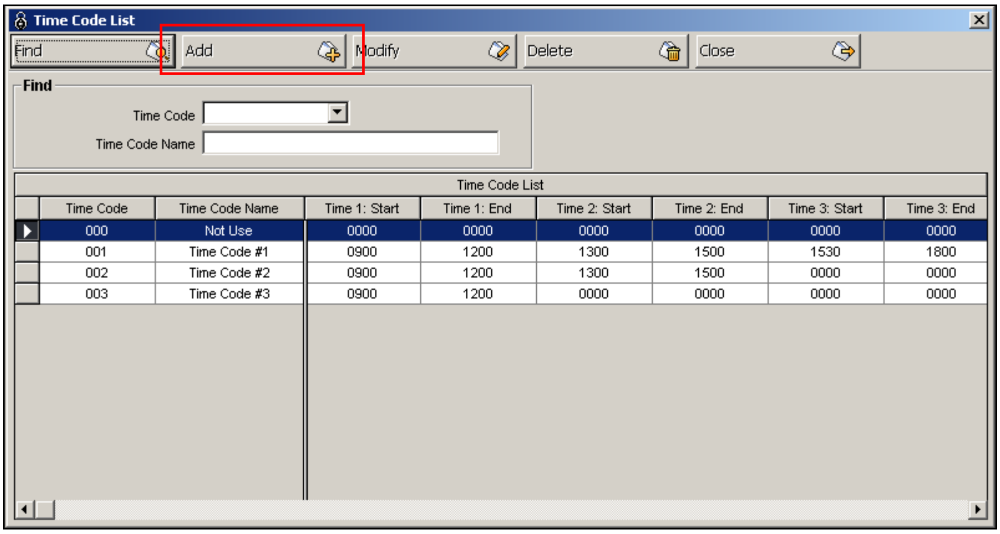


1) Input Time Code and Time Code Name as appropriate.

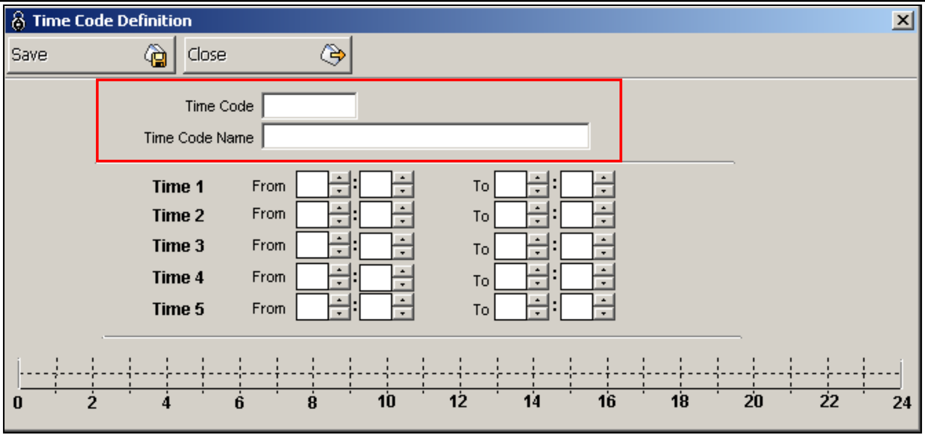
2) Select Find to make an inquiry. If inquired result is available, the following screen appears.

- Add

Add is used to create new data. Select Add button to add work holiday through input screen.



1) The following screen appears after selecting Add.

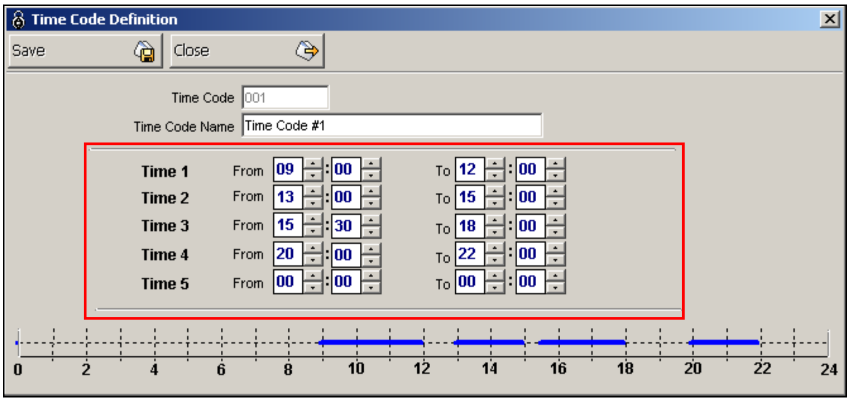


2) Input Time Code.

3) Input Time Code Name.

4) Setup the time From/To for Time 1, Time 2, Time 3, Time 4, Time 5.

For example, the screen below shows (00:00-01:59 No Access, 02:00-05:00 Access Grant, 05:01-08:59 No Access, 09:00-12:00 Access Granted, …)



5) Select Save button to save and Close button to finish.

The section of time schedule is set up within 24 hours of a day.

Namely, if you intend to set up for 24 hours without division of 24 hours of a day, you have to input 0000-2400 in 1st section. The rest section is set up as 0000-0000 automatically.

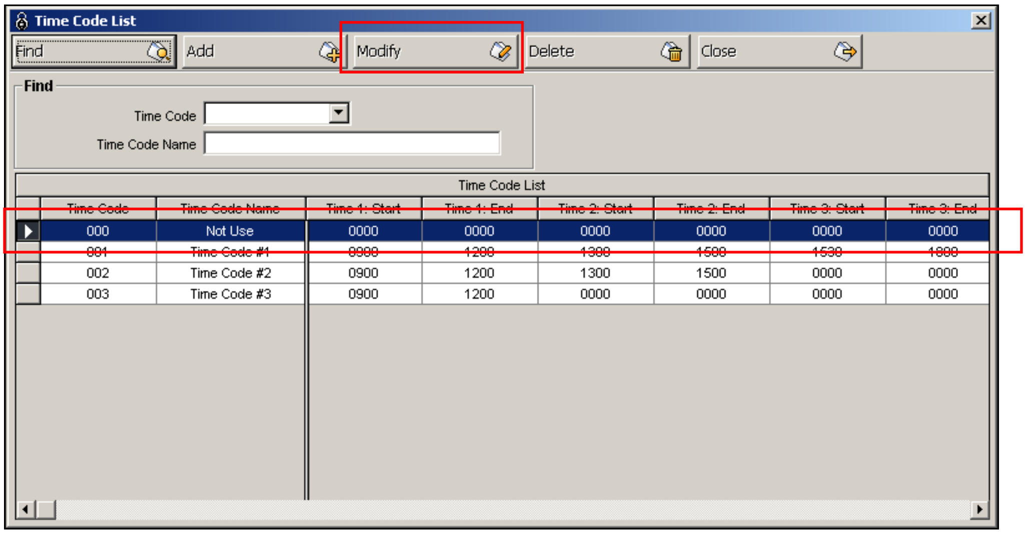
If you want to divide and use 24 hours of a day, it is possible to divide to maximum of 5 sections. To divide hours is mainly used to control the access time to work together with time schedule of input/output.

Namely if you admit to access door at AM and don't admit at PM, it is applied in this case. The division of time is needed, in case of application of Lock or Unlock of access door.

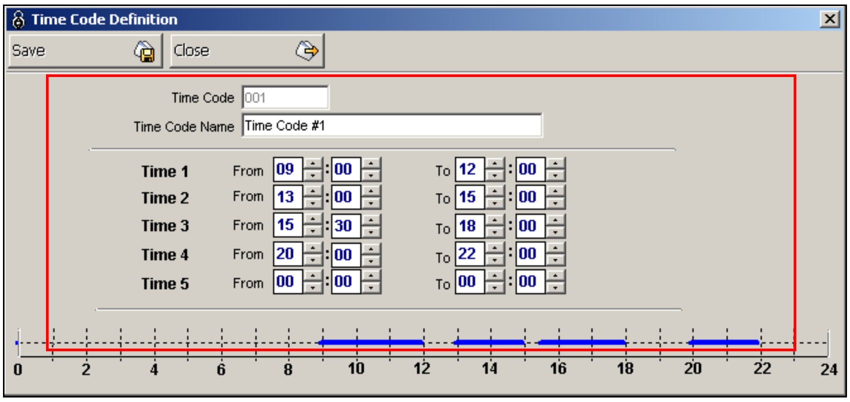
■ Modify

Modify is used to change existing data. Find data to modify or to change registered content category.

Selected data is displayed as below figure in highlighted bar.



1) Select Modify to see the following screen. The Time Code List screen is equal to registration screen. Time Code cannot be changed.



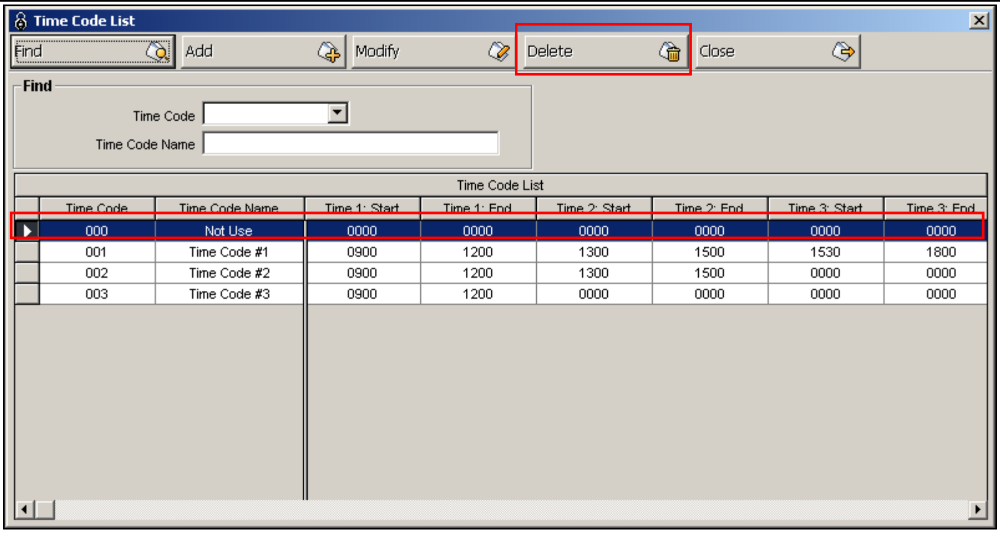
2) Modify the items to change.

3) Select Save button to save data, and select Close button to finish.

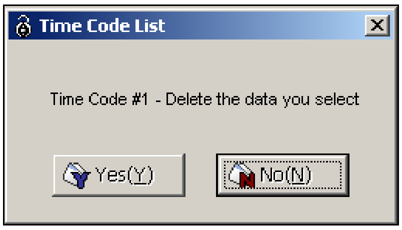
■ Delete

Delete is used to delete existing data. Find data to delete or to delete registered content list data.

Selected data is displayed as below figure in highlighted bar.



1) Select Delete button. The screen below will appear. Select Yes button to delete or No button to cancel.



Timeschedule Definition

This function uses Time Zone data to setup time schedule for each day. It is applied to the user to control access time, and is connected to the Input/Output Point time schedule.

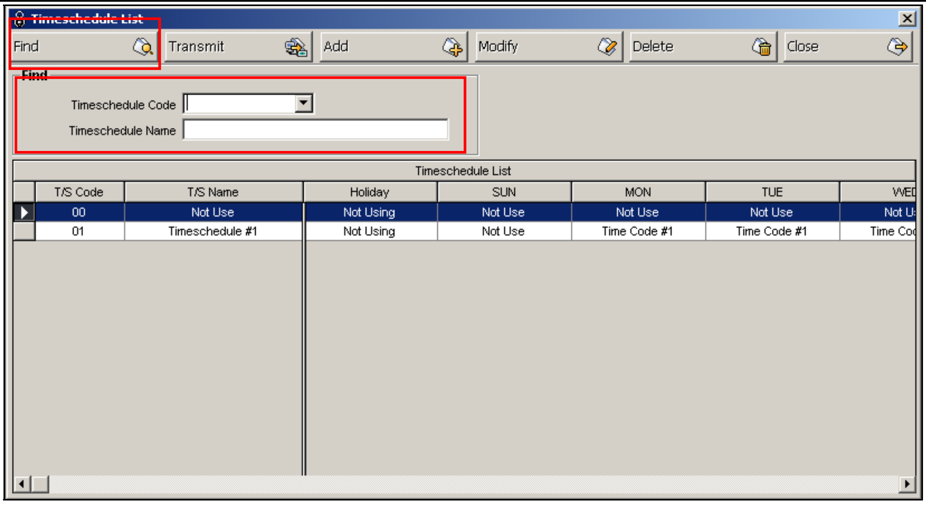
Time Schedule can create up to 10 codes, and time schedule within the codes are sent to the controller for activation. Setup the time schedule needed.

- Start

  Select Access Control ->Time Schedule List or press shortcut key F4.

- Find

  Find is used to get relevant information pertaining to the inquiry when information is available. It is used to modify and delete the existing data information.

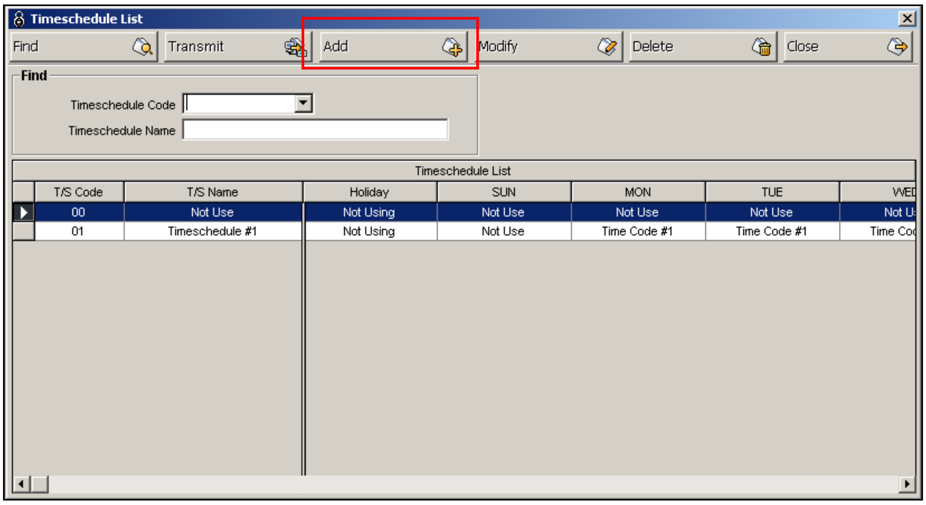


1) Input Timeschedule Code and Timeschedule Name as appropriate.

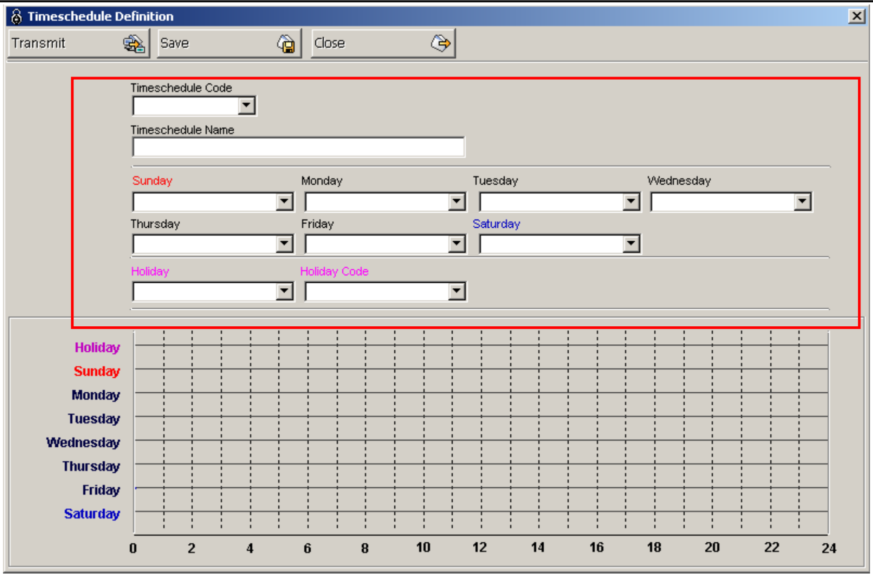
2) Select Find to make an inquiry. If inquired result is available, the following screen appears.

■ Add

Add is used to create new data. Select Add button to add Timeschedule through input screen.



1) The following screen appears after selecting Add.



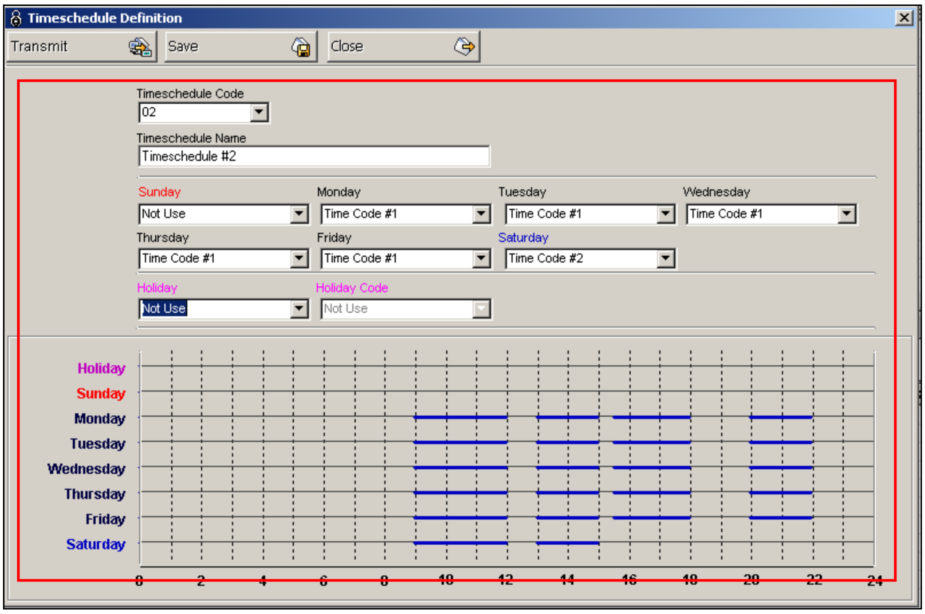
2) Select Timeschedule Code. It will display only the registered codes. Use one of the 10 Codes.

3) Input Timeschedule Name.

4) Select Timeschedule Code to apply to each day.

5) Select Holiday Code to apply holiday, and if not used select Not Use. If Holiday Code was selected, Timeschedule Code for holiday needs to be selected.

   Selecting the Timeschedule Code will display at the bottom screen location, current selected time range in hour format.



6) Select Save button to save.

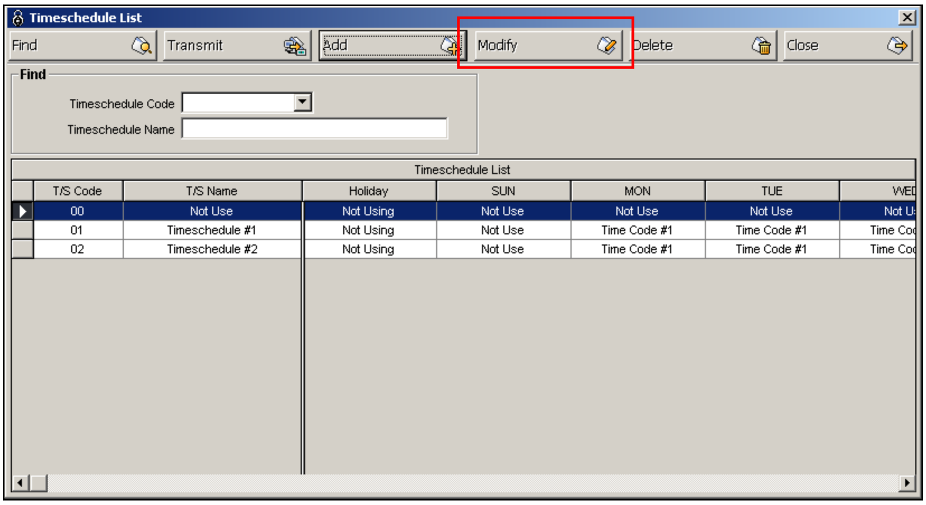
7) Select Transmit button. This will send the selected data to the corresponding Controller No for application.

8) Select Close button to finish.

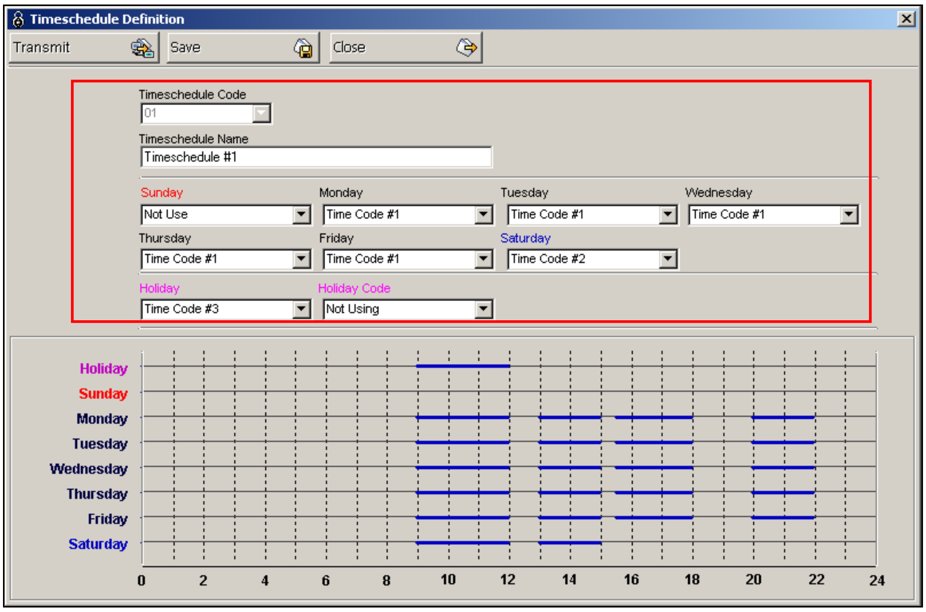
■ Modify

Modify is used to change existing data. Find data to modify or to change registered content category.

Selected data is displayed as below figure in highlighted bar.



1) Select Modify to see the following screen. The Timeschedule List screen is equal to registration screen. Timeschedule Code cannot be changed.



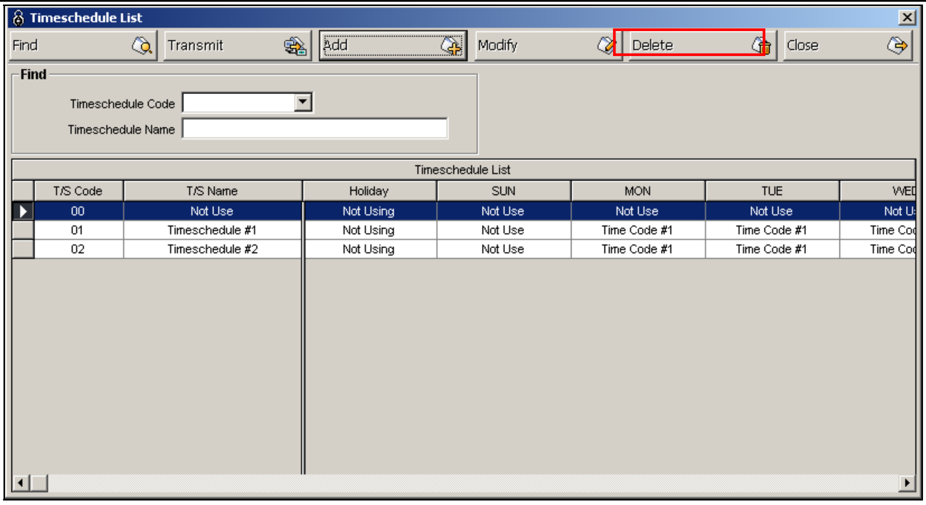
2) Modify the items to be changed.

3) Select Save button to save data.

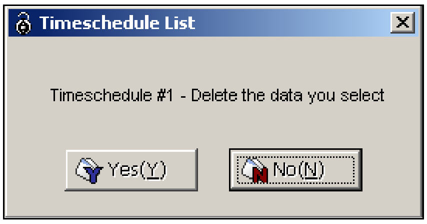
4) Select Transmit button to send the selected data to the corresponding Controller No for application.

■ Delete

Delete is used to delete existing data. Find data to delete or to delete registered content list data. Selected data is displayed as below figure in highlighted bar.



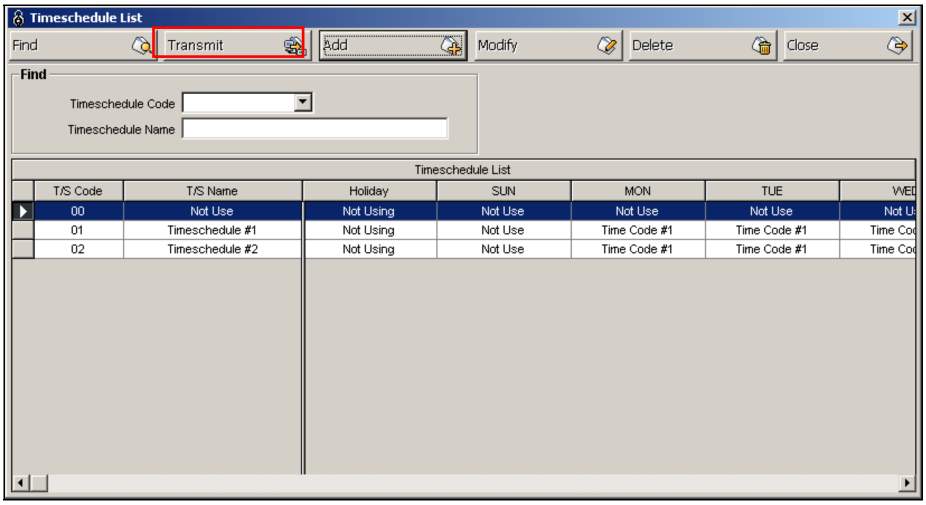
1) Select Delete button. The screen below will appear. Select Yes button to delete or No button to cancel.



■ Transmit

This function is used to send the setup functions to the controller for activation. Use Find to search for data transmit or select the data from the registered reader categories to send.

Selected data is displayed as below figure in highlighted bar.



1) Select Transmit button. This will send the selected data to the corresponding Timeschedule Code for application.

If an error does occur, detailed explanation is displayed in a message box.

In this case, retransmit the data, but if the error continues, check the communication and controller for problems.

Access Group Definition

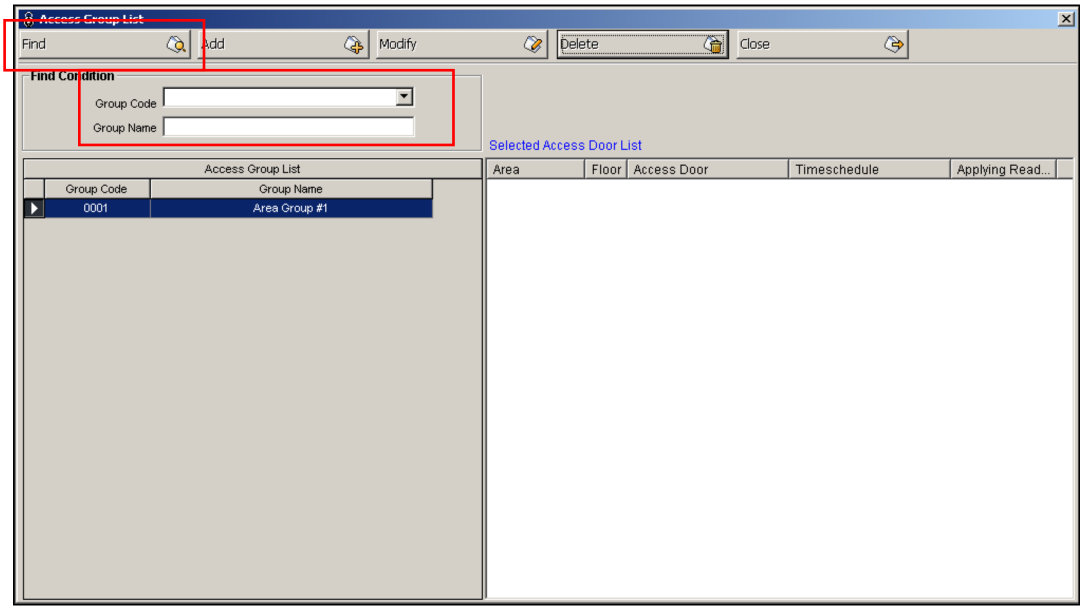
When multiple units of controller are operated, by using each access door connected to the system, you can create Access Group to register user in a group type to control access area as a whole or control as is.

■ Start

Select Access Control ->Access Group Definition or press shortcut key F5.

■ Find

Find is used to get relevant information pertaining to the inquiry when information is available. It is used to modify and delete the existing data information.

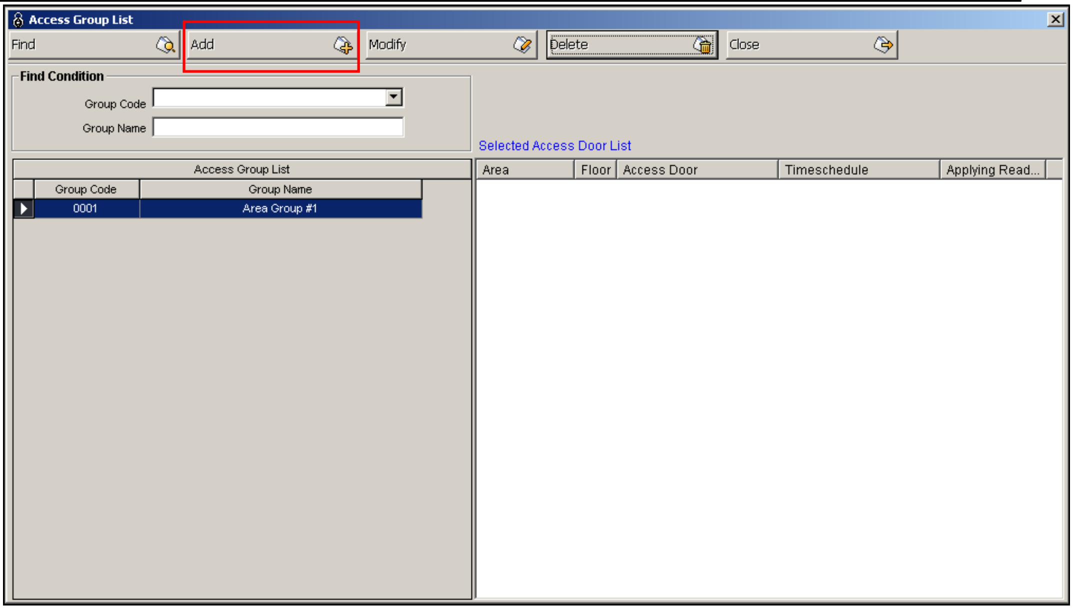


1) Input Group Code and Group Name as appropriate.

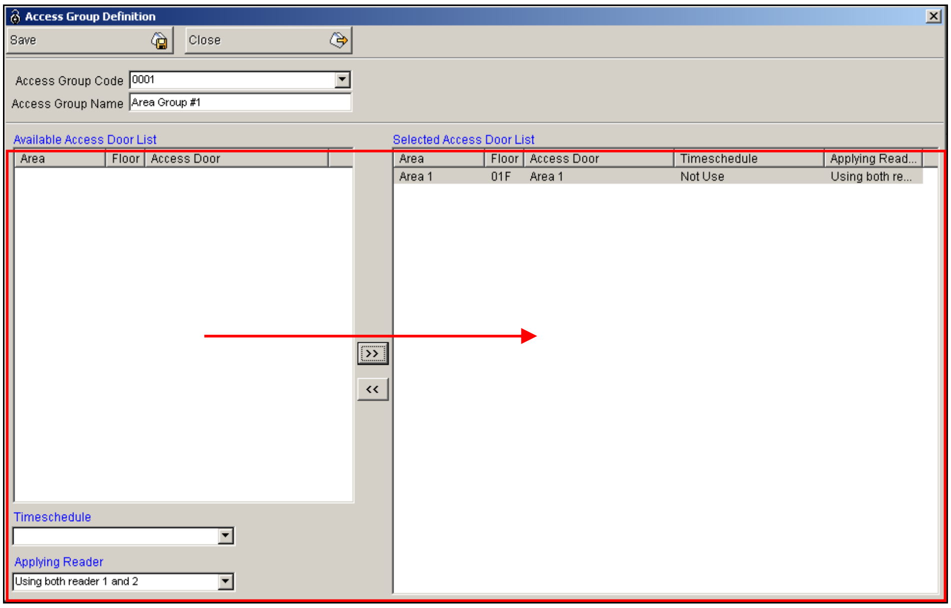
2) Select Find to make an inquiry. If inquired result is available, the following screen appears.

■ Add

Add is used to create new data. Select Add button to add Access Group through input screen.



1) The following screen appears after selecting Add.



2) Input Access Group Code. Do not overlap this code.

3) Input Access Group Name.

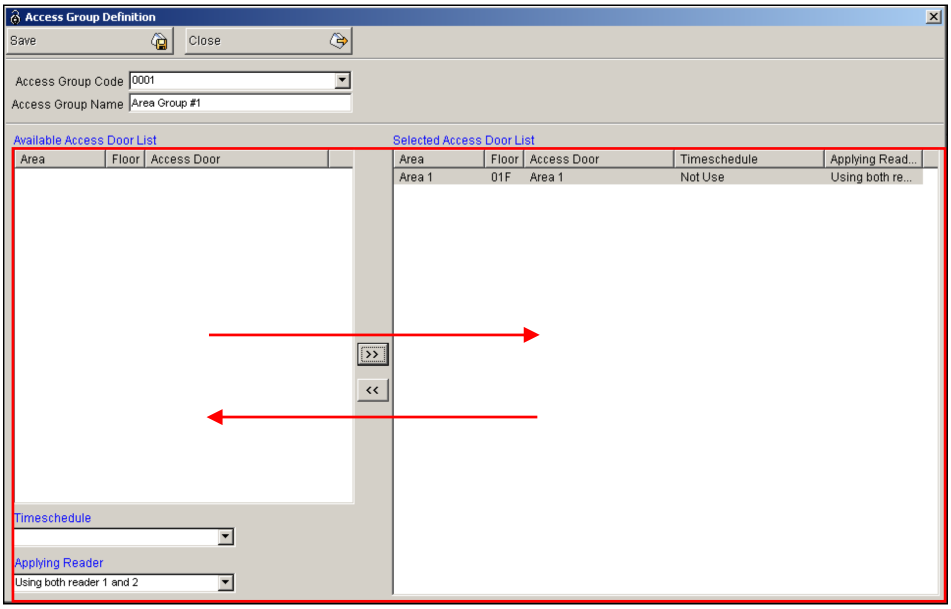
4) Select Timeschedule to apply.

5) Double click the Access Door from Available Access Door List, or select >> button to register and apply corresponding Timeschedule and apply corresponding Reader.

> *The Timeschedule and Access Door work as a team to setup Access Group. This means the access door and Timeschedule setup correspond to use the configured access door(s).*

6) Repeat the above method to register additional Access Group.

Cancel Access Door by double clicking on selected door or select << button.

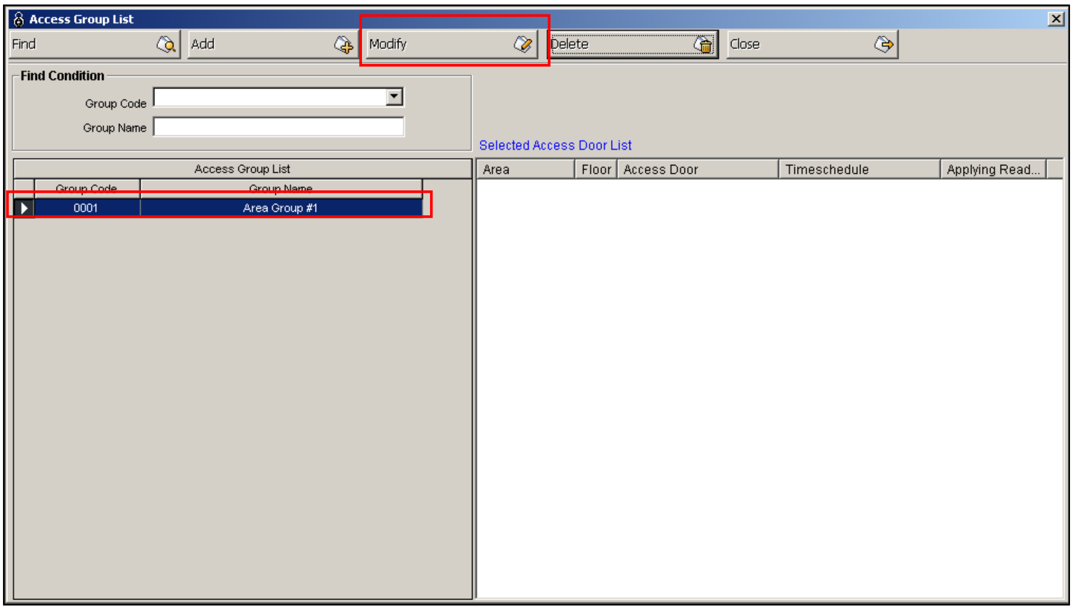


7) Select Save button to save data, and select Close button to finish.

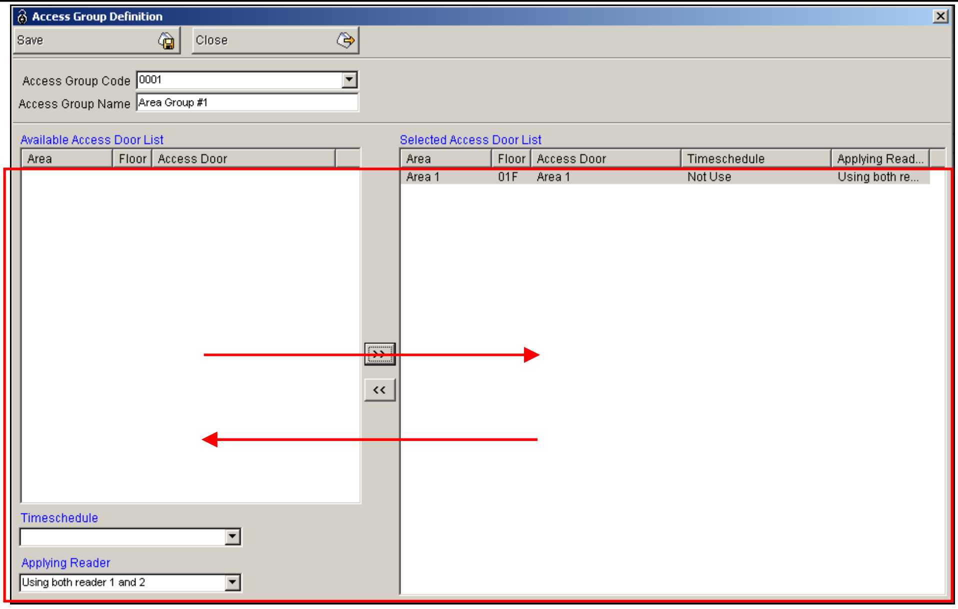
■ Modify

Modify is used to change existing data. Find data to modify or to change registered group category.

Selected data is displayed as below figure in highlighted bar.



1) Select Modify to see the following screen. The Access Group is equal to registration screen. Therefore, the Access Group Code cannot be changed.



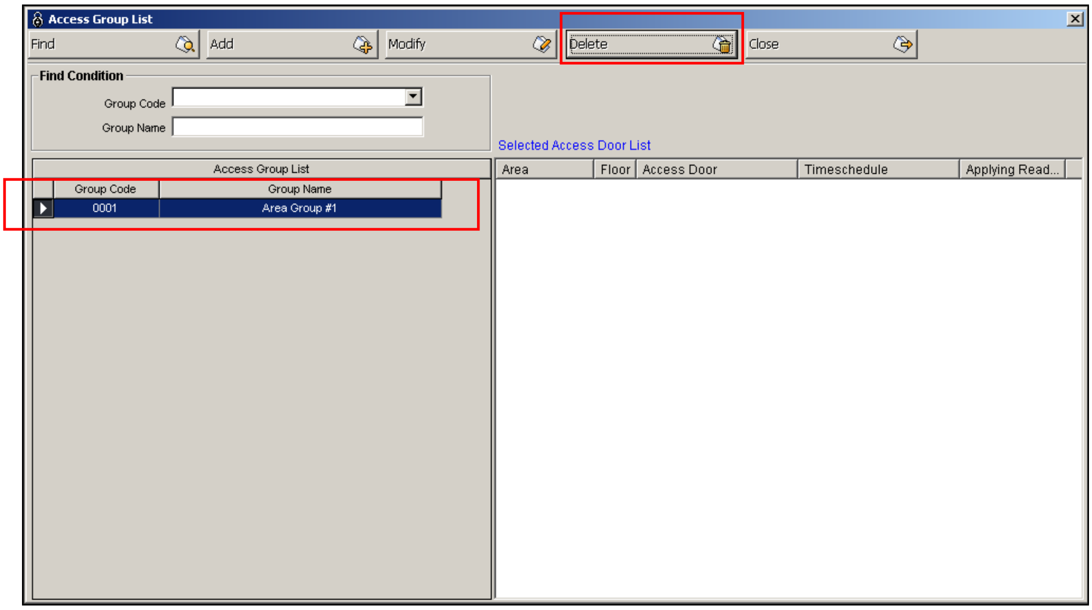
2) Modify the items that need changing.

3) Select Save button to save the modified information. Select Close button to finish.

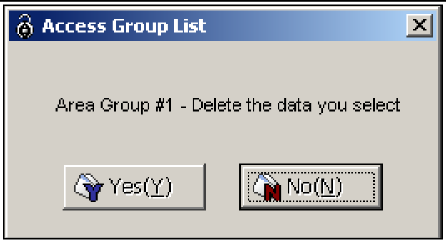
■ Delete

Delete is used to delete existing data. Find data to delete or to delete registered content data.

Selected data is displayed as below figure in highlighted bar.



1) Select Delete button. The screen below will appear. Select Yes button to delete or No button to cancel.



Card Holder Management

This function registers user ID card. Also basic personal data is to approve ID card, and related data is displayed and used as Find/Output data. At the time of registration, Access Group and Time/Attendance is setup also.

- Start

  Select Access Control ->Card Holder Management or press shortcut key F6.

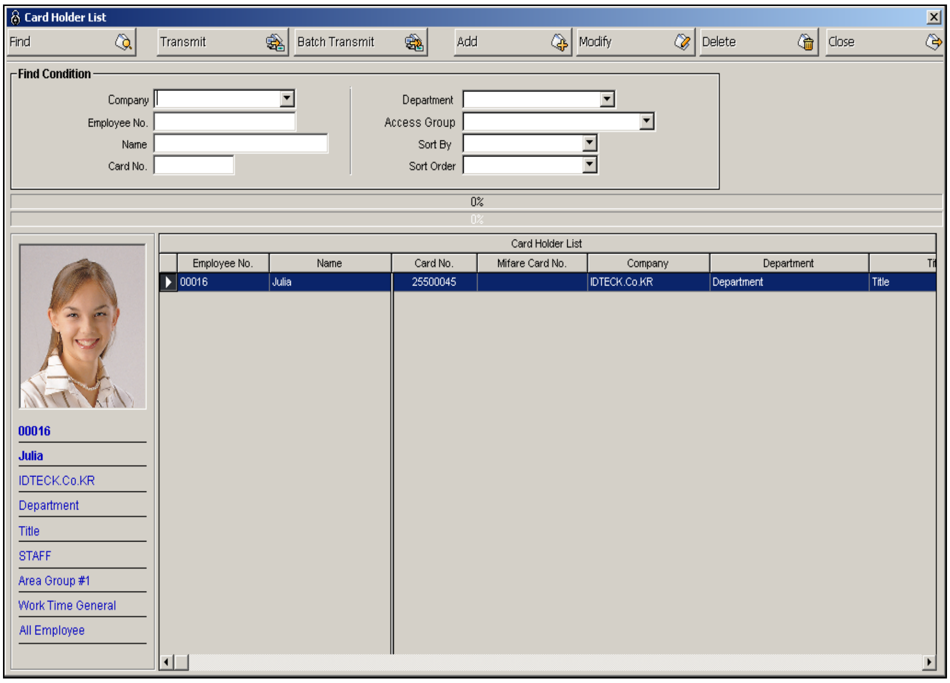
- Card Holder Screen

  The Card Holder Screen has two modes. First screen is a normal mode. Second screen is a fingerprint management mode.

  The normal mode is used with STAR (SR) 505R, STAR ICON100 (SR). The fingerprint management mode is used with STAR FINGER007 (SR).

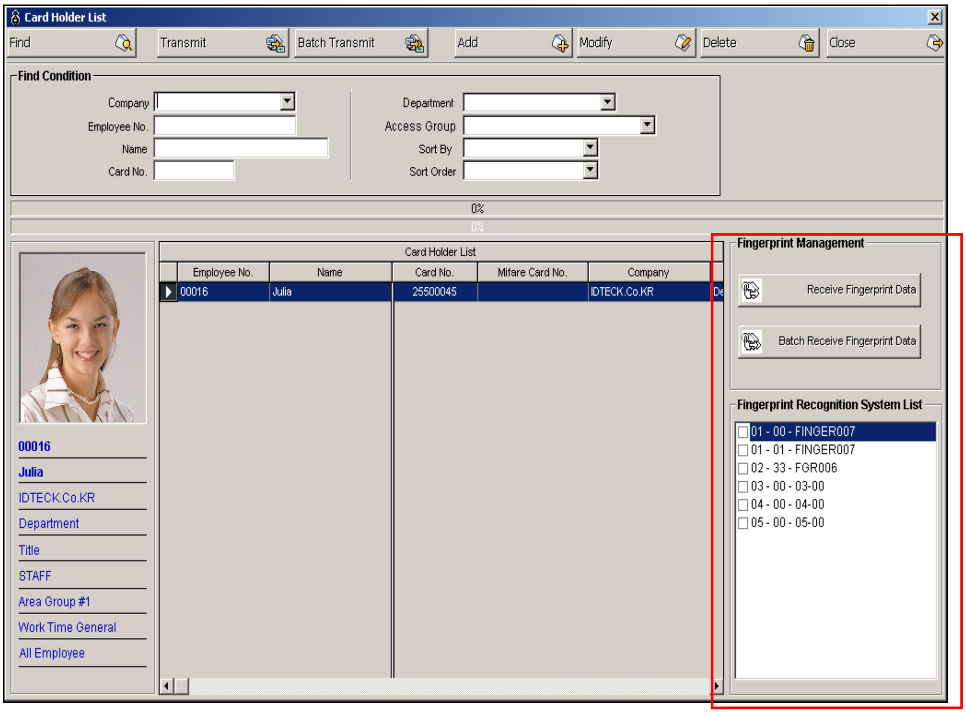
  - Card Holder List Screen : Normal Mode

  (Using a (SR)STAR 505R , STAR ICON100(SR))

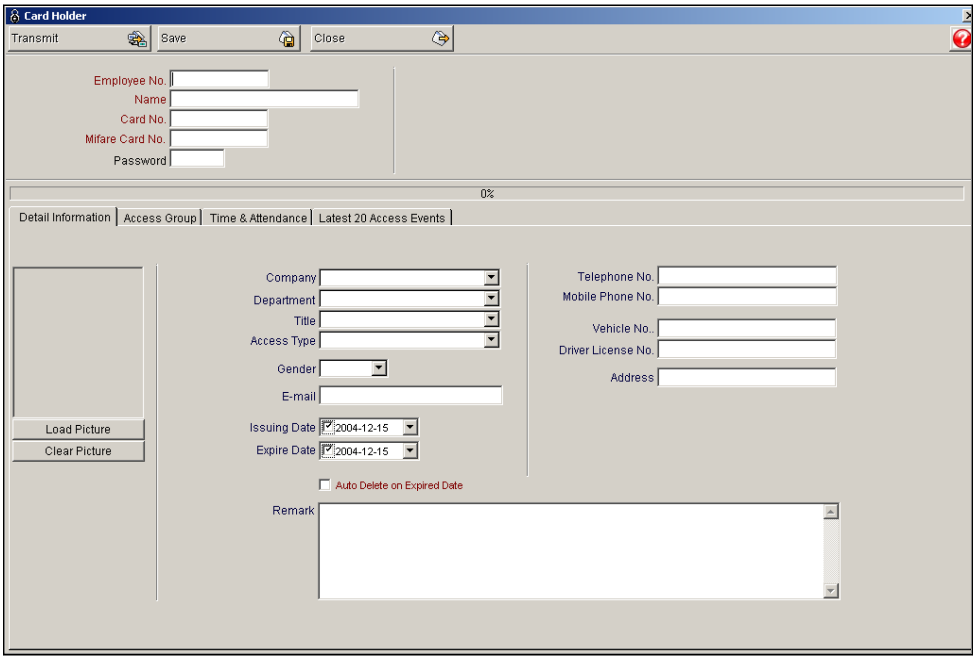


  - Card Holder List Screen : Fingerprint Recognize Mode

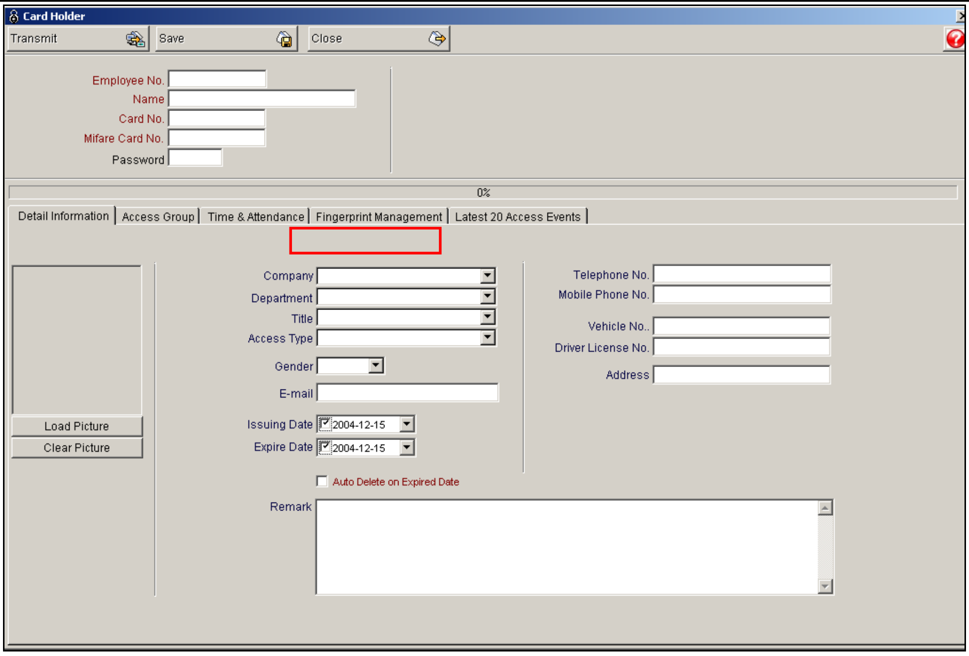
(Using FINGER007(SR))



- Card Holder Management Screen : Normal Mode

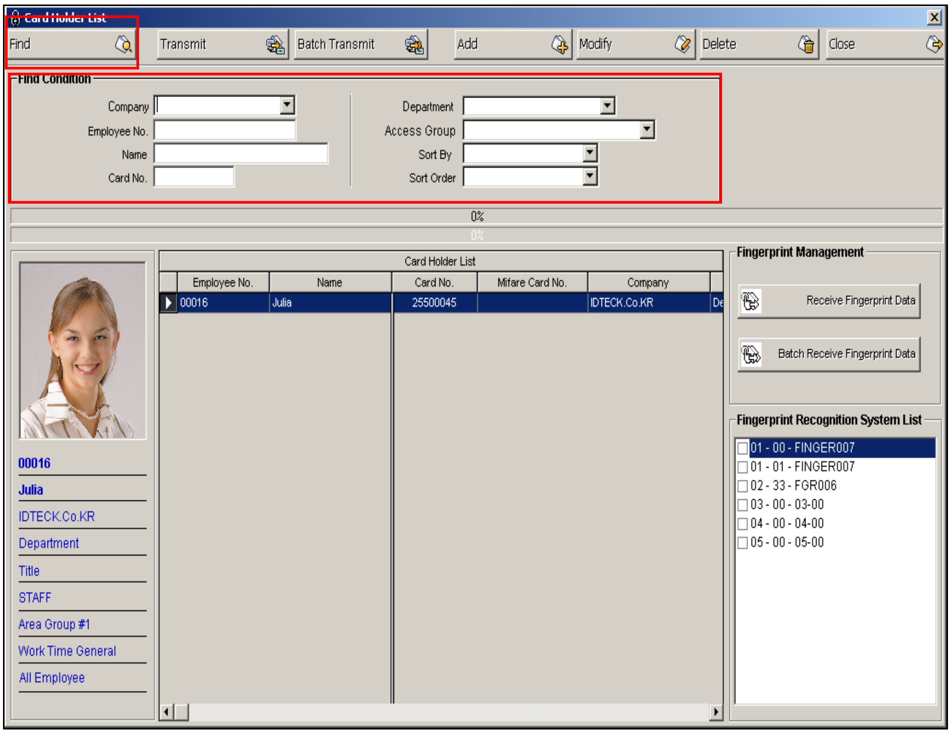


- Card Holder Management Screen : Fingerprint Recognize Mode



■ Find

Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.



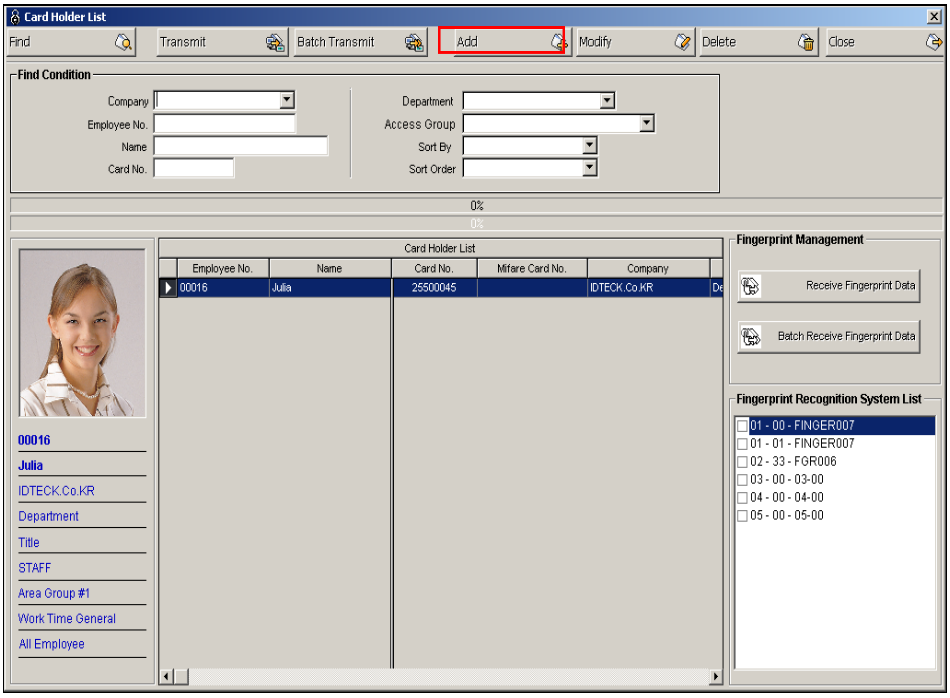
1) Select Find button. The screen will appear.

2) Input Company, Employee No, Name, and Card No as appropriate. Select Sort By and Sort Order.

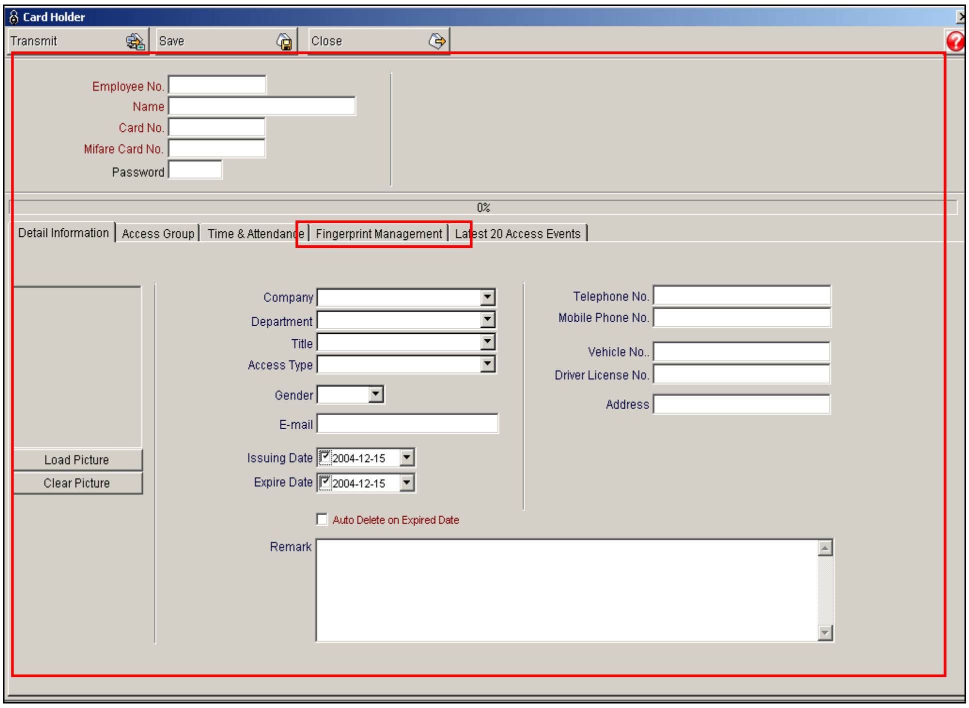
3) Select Find to make an inquiry. If inquired result is available, the screen appears.

■ Add

Add is used to create new data. Select Add button to add user data through input screen.



1) The following screen appears after selecting Add. If a Finger007 is installed, fingerprint management tab appears.



2) Input Employee No, Name, and Card No or Mifare Card No. This input is a requirement. Card No, Mifare No. is the ID number, and depending on card type, the digits range from 8-10.

Employee No. must not overlap. It is used as a key to identify user.

Input 4 digits Password if using card+pw to authenticate. If you do not input a password, the default value of 0000 is setup.

3) Input user's detailed information as basic data.

4) Input Issuing and Expire date. Putting a check mark on Auto Delete on Expired Date will delete the corresponding ID number.

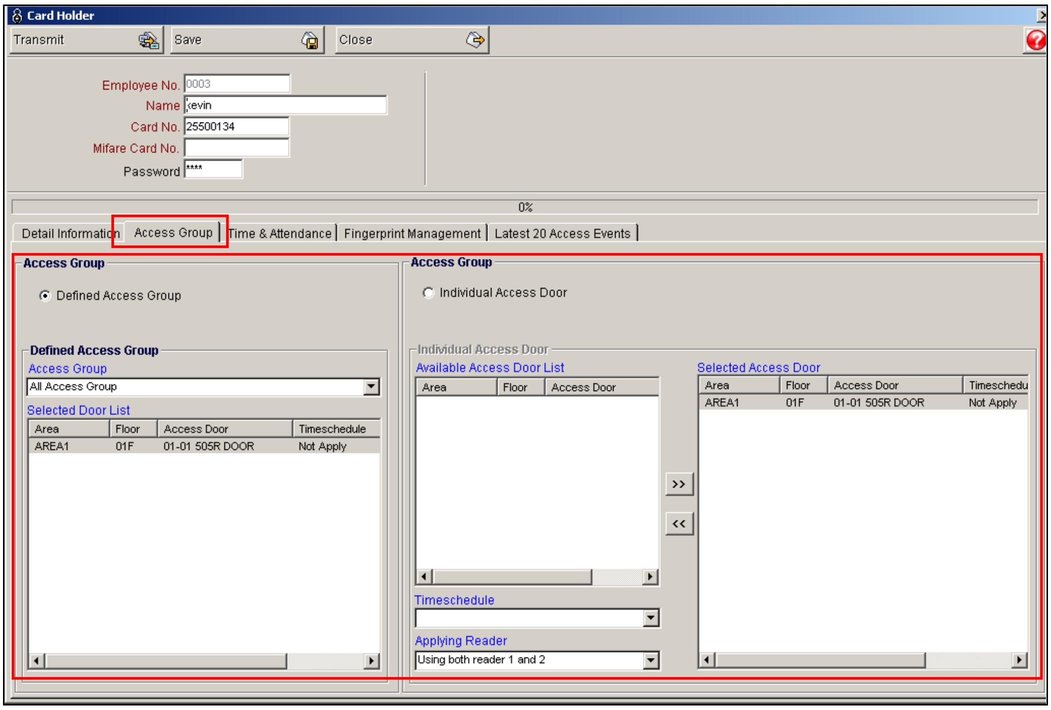
This software has the function of auto-deletion of ID number at the expiration date by transferring deletion order through communication after checking expiration date in S/W. It is processed only when the program operates under normal condition.

But even though the program was ended, when it is operated again, registered persons who expiry date is set at former date than the date of PC and auto-deletion is checked are deleted automatically.

In case that communication error is occurred, it may not be processed automatically, for that this function is done through the communication of program.

5) Select Access Group tab.

This is used to limit the access area on the user by selecting placed Access Group or selecting Individual Access Door to limit the access area.



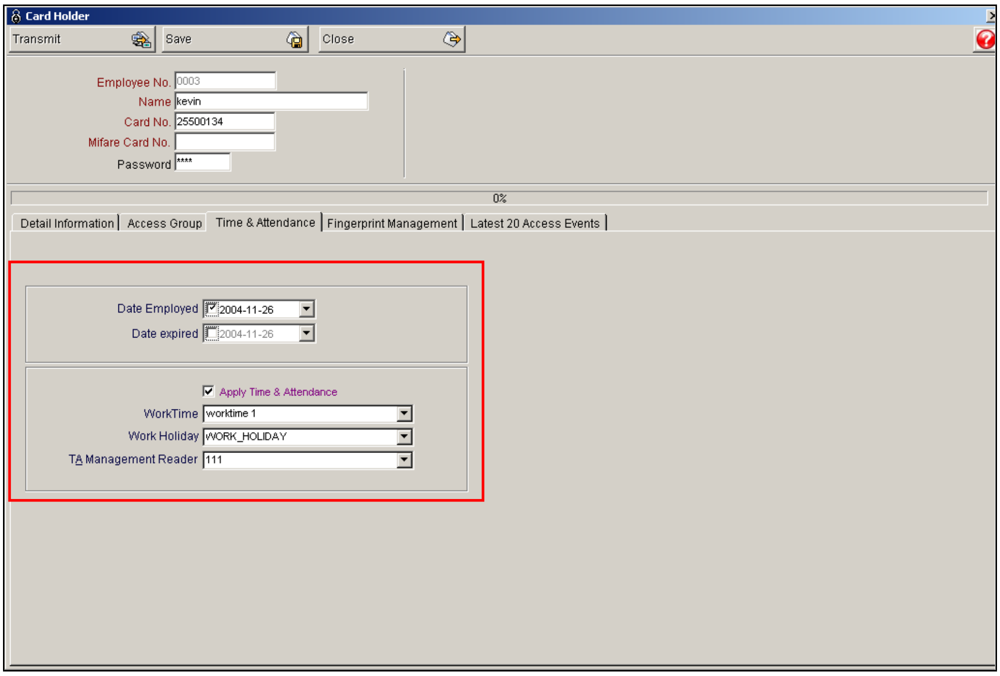
If you limit the access through defined access group, choose defined access group and choose access group at the lower part. Then access door list included in access group is indicated at the bottom.

The setting of Individual access doors can be used at the access group setting mode in case the proper access group does not exist, or in case that you want to make and set the access group directly. In this case select setting of individual access doors and

the time schedule in the same method with access group setting, then, double click the door to work with this time schedule.

6) Select Time & Attendance tab for Time & Attendance.

This is used to apply Time & Attendance by input of corresponding data. Refer to chapter 6 STARWATCH DUAL PRO II™ Time Attendance for detailed information.



Input Date Employed. Input Retirement Date if that is the case. For a user who is retired, cancel the time/attendance by removing check mark in Apply Time & Attendance. This option determines whether or not data is created.

If selecting Apply Time & Attendance, user needs to select Work Time and Work Holiday.

Work Time is applied per individual by using the Work Code setup. Work Holiday is applied per individual to calculate attendance on a holiday work.

Work Time and Work Holiday needs to be setup initially through work in registration and work holiday registration.

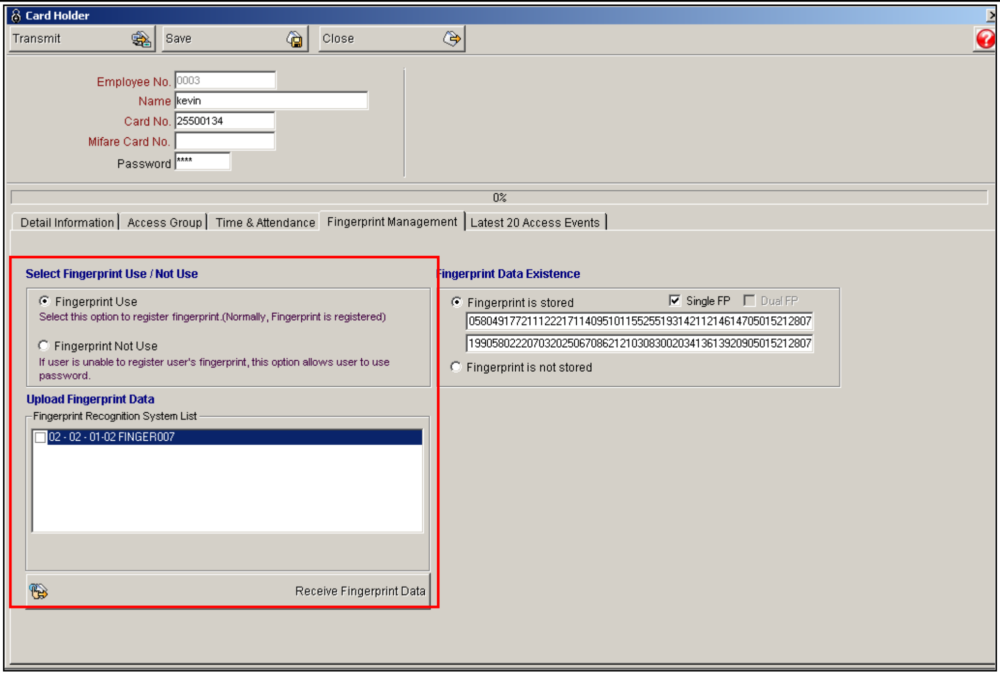
Select Save button to save data.

Select Transmit button. This will send the selected data to the system for application.

Refer to chapter 6 STARWATCH DUAL PRO II™ Time and Attendance regarding setup for Work Time and Work Holiday.

7) If system uses a FINGER007 (SR), select the fingerprint management tab.

This is used to apply a fingerprint data management.



Select a fingerprint use/not use mode.

If selecting applies a fingerprint use mode, user needs to upload a fingerprint data from FINGER007 system that stores a fingerprint data.

Select a fingerprint system that has a card holder's fingerprint data.

Select 'Receive a Fingerprint Data' button to upload data.

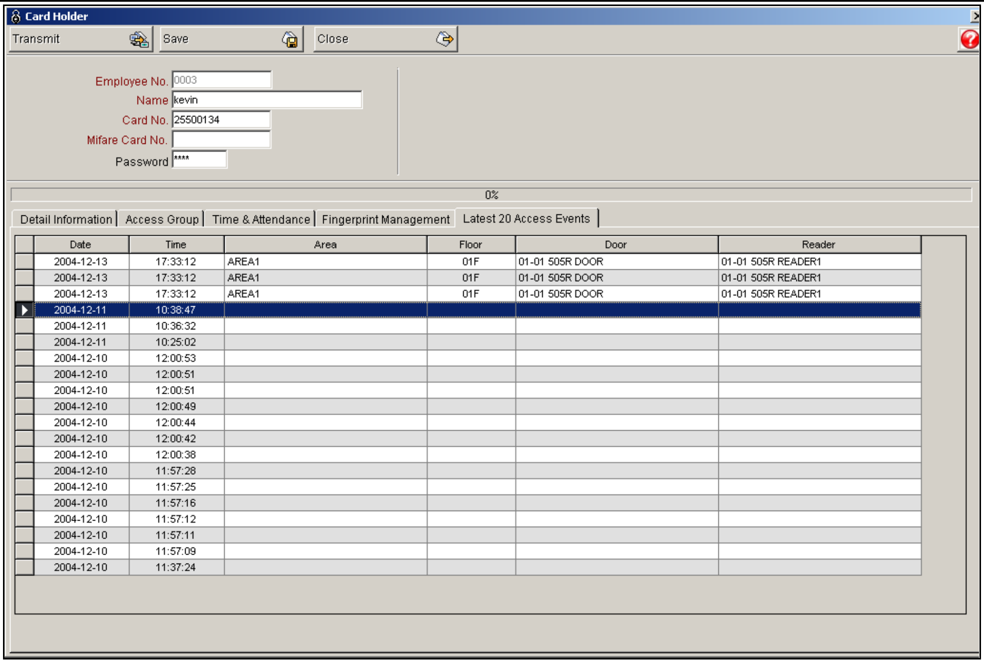
When it is transmitted lowing the setting of access group. So if a lot of access areas exited, it might take some time for transportation of data. And in case of communication error, transmission error or delay of time can happen.

And when the data is being transmitted, transmission status is indicated in the middle of screen.

This function will be operated only for normal communication status so that if the communication is lost, this function will not operate properly.

8) Latest 20 Access Events

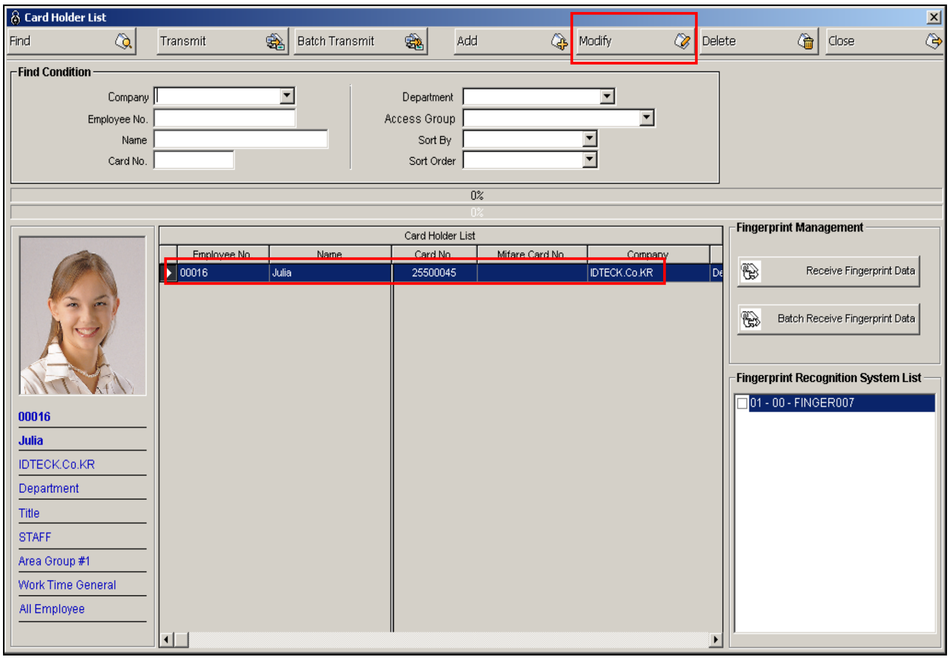
Latest 20 Access Events shows Events which is occurred lately. Only 20 Events and information of Date, Time, Area, Floor, Door, Reader are shown.



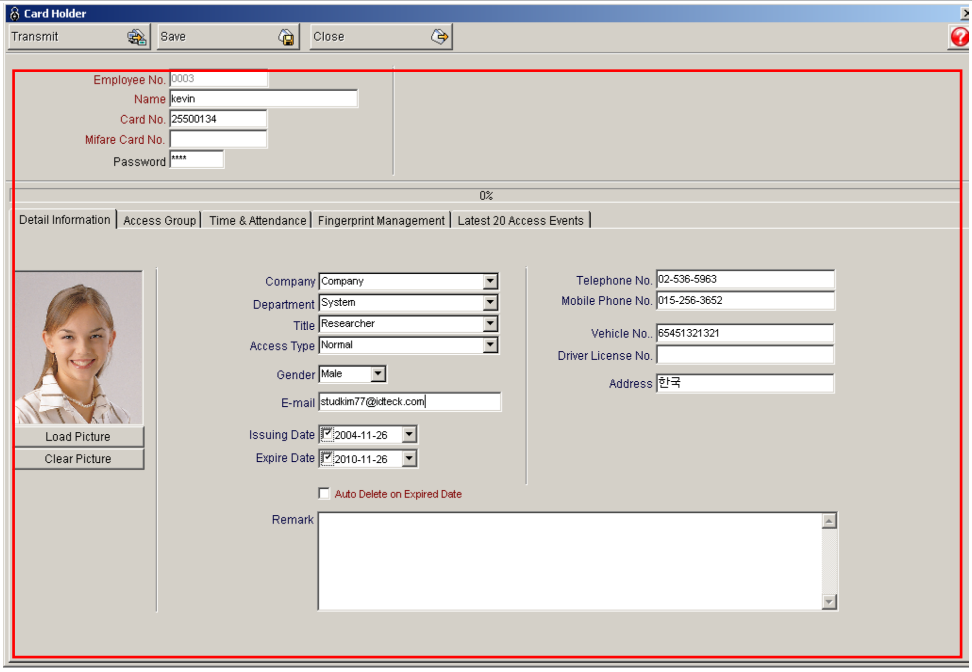
- Modify

Modify is used to change existing data. Or if system uses a FINGER007 (SR), can uses an uploading fingerprint. Find data to modify or to change registered content list.

Selected data is displayed as below figure in highlighted bar.



1) Select Modify to see the following screen. The screen is equal to registration screen. Therefore, the Employee No. cannot be changed.



2) Modify items to change. Modify Detailed Information, Access Right, and Time & Attendance.

3) Select Save button to save data.

4) If system uses a FINGER007 (SR), select the fingerprint management tab.

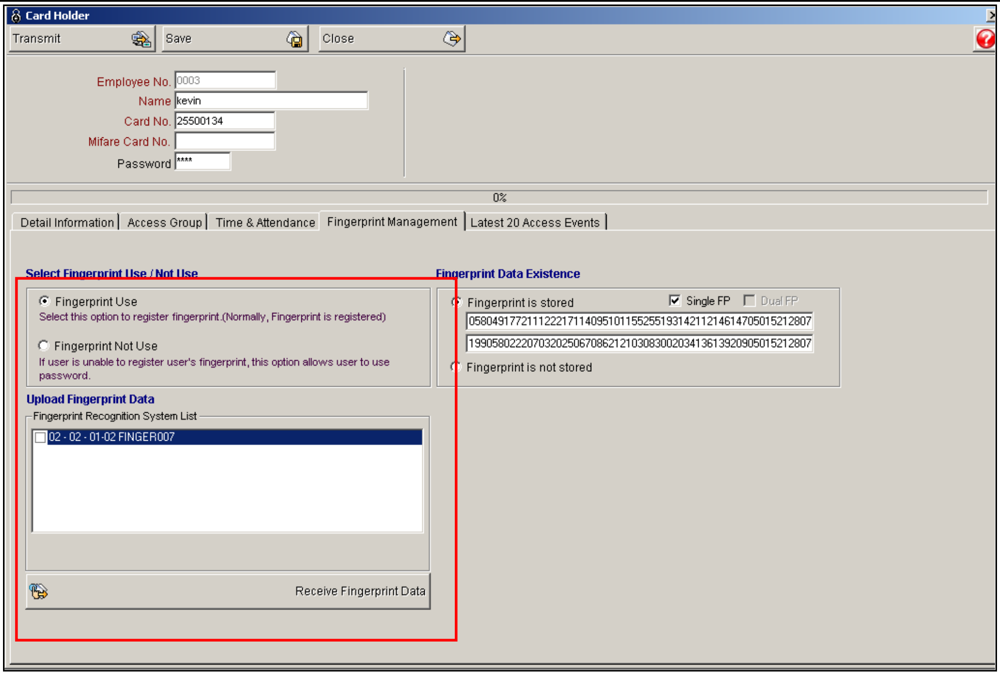
   This is used to apply a fingerprint data management.

   Select a fingerprint use/not use mode.

   If selecting applies a fingerprint use mode, user needs to upload a fingerprint data from FINGER007 system that stores a fingerprint data.

   Select a fingerprint system that has a cardholder's fingerprint data.

   Select 'Receive a Fingerprint Data' button to upload data.



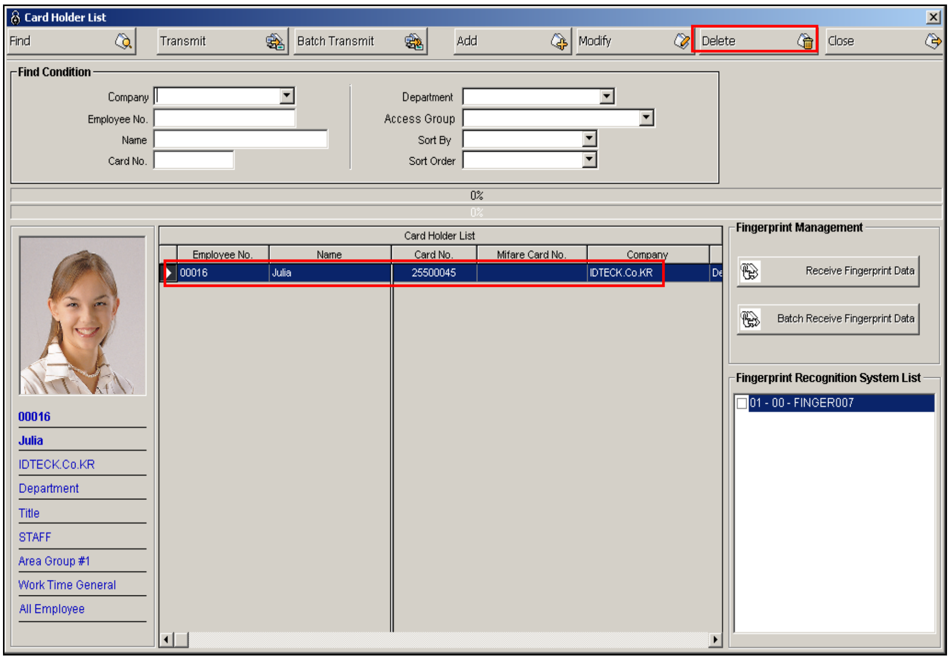
5) Select Close button to finish.

If card no. or access group data was modified, you need to retransmit the data.

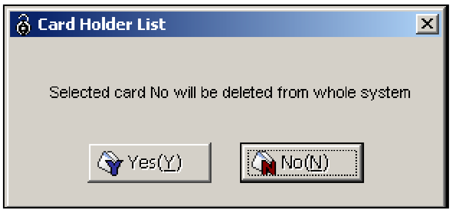
■ Delete

Delete is used to delete existing data. Find data to delete or to delete registered content list data.

Selected data is displayed as below figure in highlighted bar.

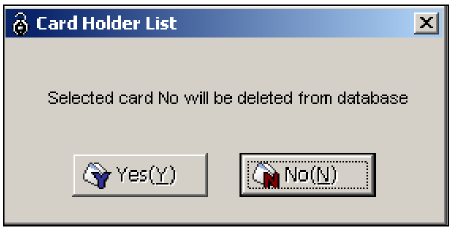


1) Select Delete button. The screen below will appear. Select Yes button to delete or No button to cancel.



2) Selecting Yes button will delete all ID cards in controller. Once completed, it will ask the user if the current data is going to be deleted from database in a message box.

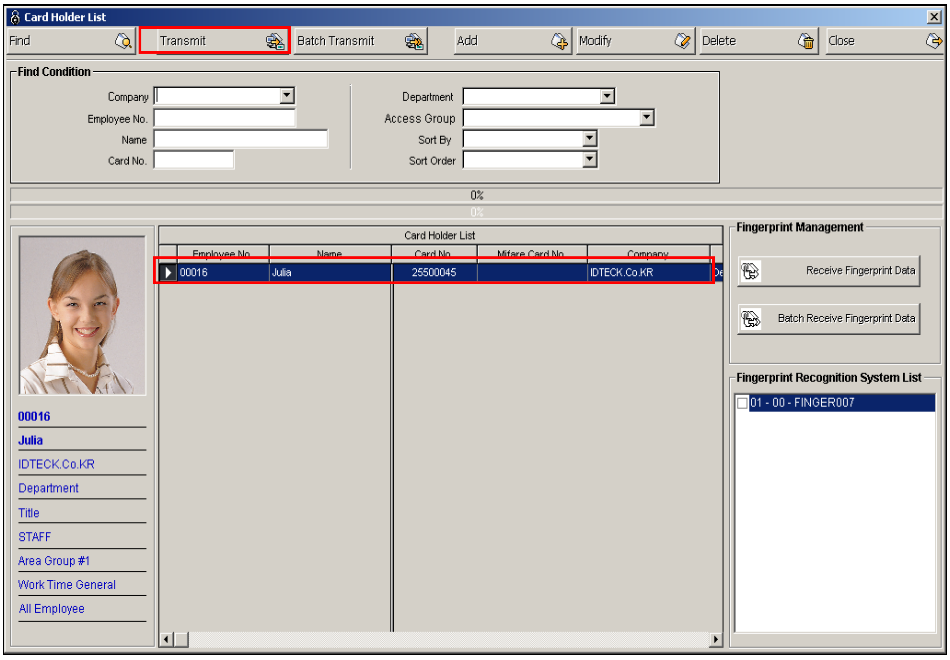
   Selecting Yes will delete from database, and registered into Delete Management to be restored later.



3) Select Close button to finish.

■ Individual Transmit

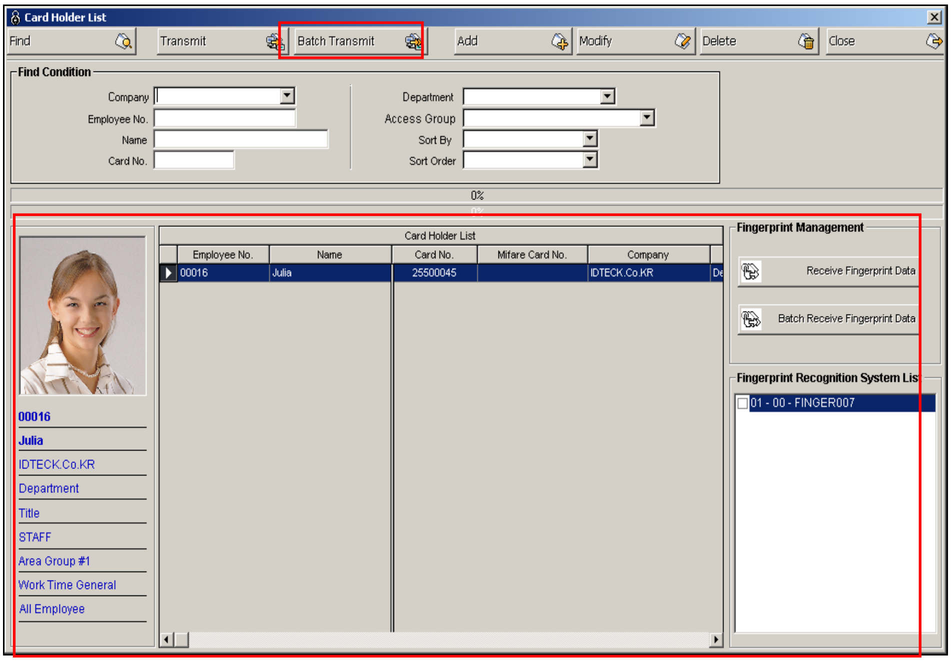
This function transmits the selected data to the controller, and activates the setup functions. User is selected from the corresponding access group to be sent to the registered access door.



■ Batch Transmit

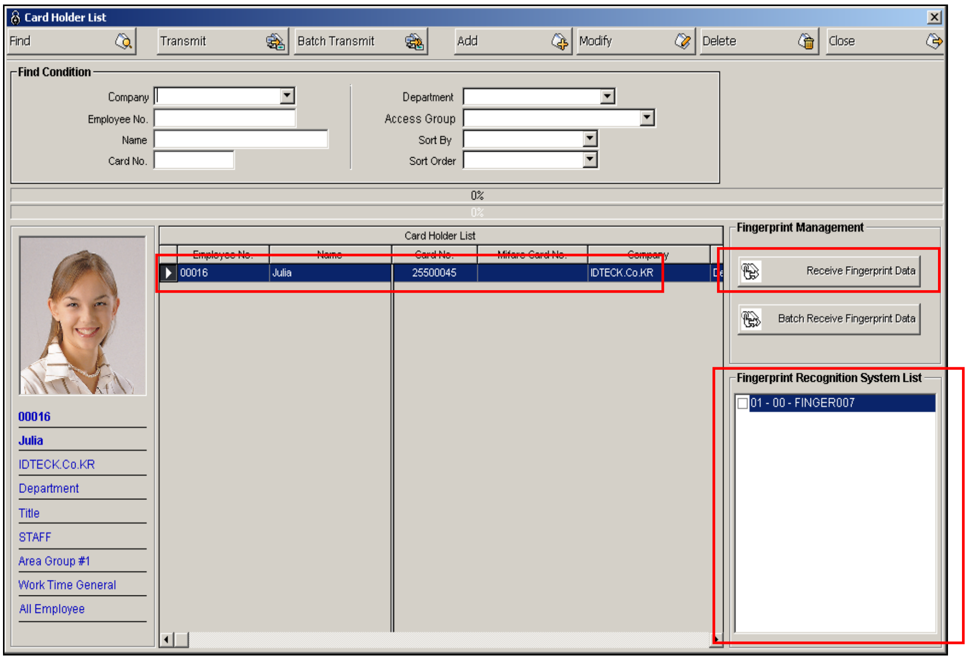
This transmits the entire data through Find in means of Find Condition to the controller. If find has no specific parameters, it will display the entire information. In this case, selecting

Batch Transmit will send entire registered data, but if specific parameter is used to find, it sends the found result completely.



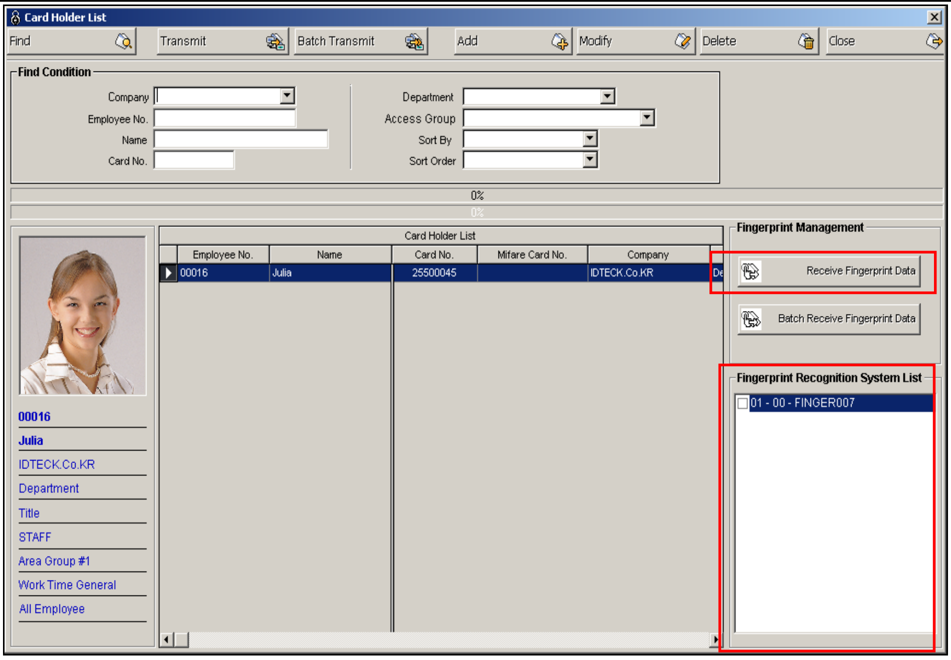
- Upload Fingerprint data

This function uploads a selected card holder's fingerprint data from the fingerprint controller.



- Batch upload fingerprint data

This function uploads all card holders' fingerprint data that is stored in fingerprint controller from fingerprint controller.



Deleted Card Management

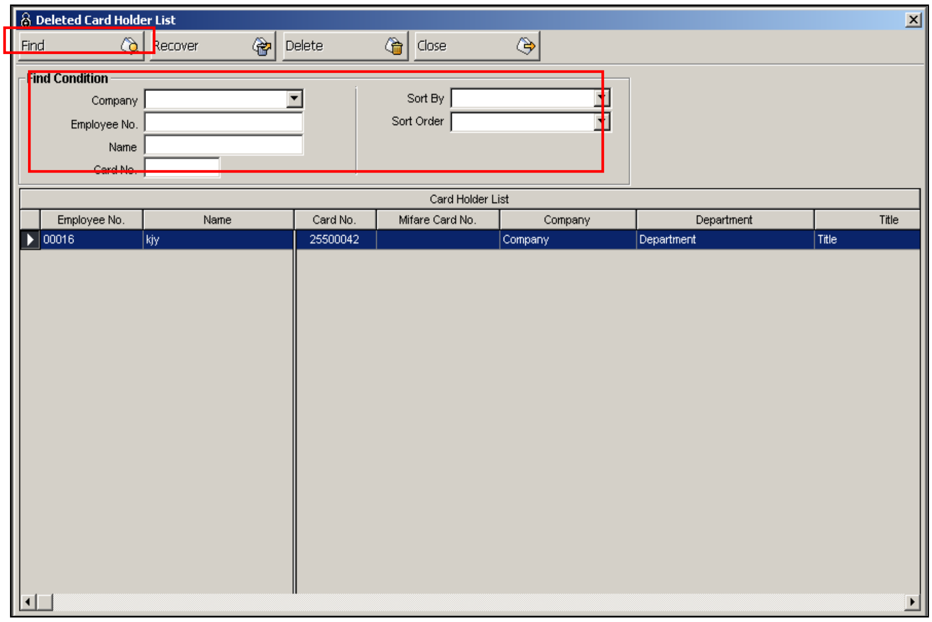
This function lets the user manage the deleted data from User Contents. If later on the deleted user is to be reinstated, this function recovers the data to register user without having to input the information all over again.

■ Start

Select Access Control Management->Deleted Card Management or press shortcut key F7.

■ Find

Find is used to get relevant information pertaining to the inquiry when information is available.



1) Input Company, Employee No, Name, and Card No as appropriate.

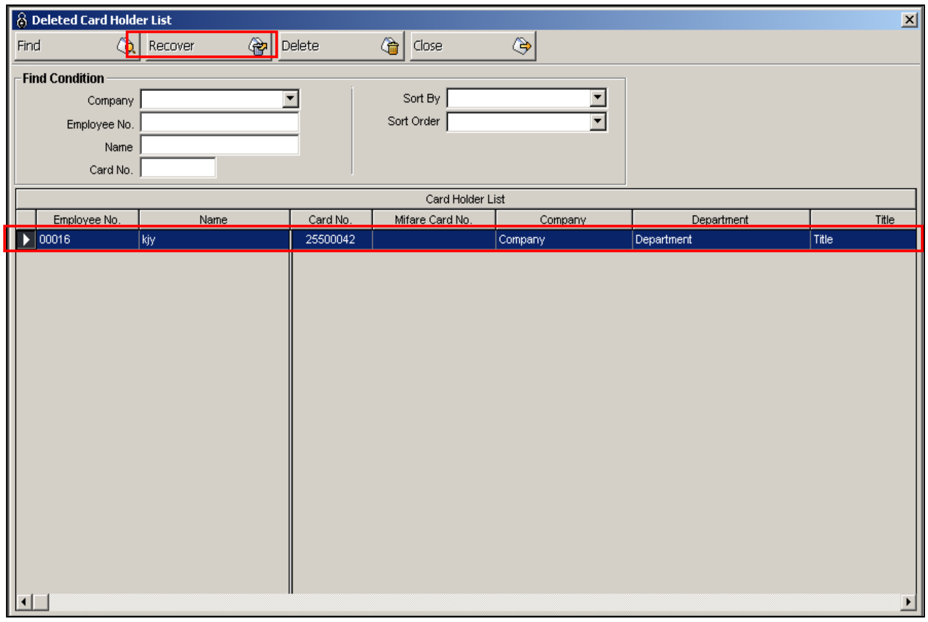
2) Select Sort By and Sort Order.

3) Select Find to make an inquiry. If inquired result is available, the screen appears.

■ Recover

This is used to recover deleted user data. Use Find to locate or registered deleted user content to select data for recovery.

Selected data is displayed as below figure in highlighted bar.

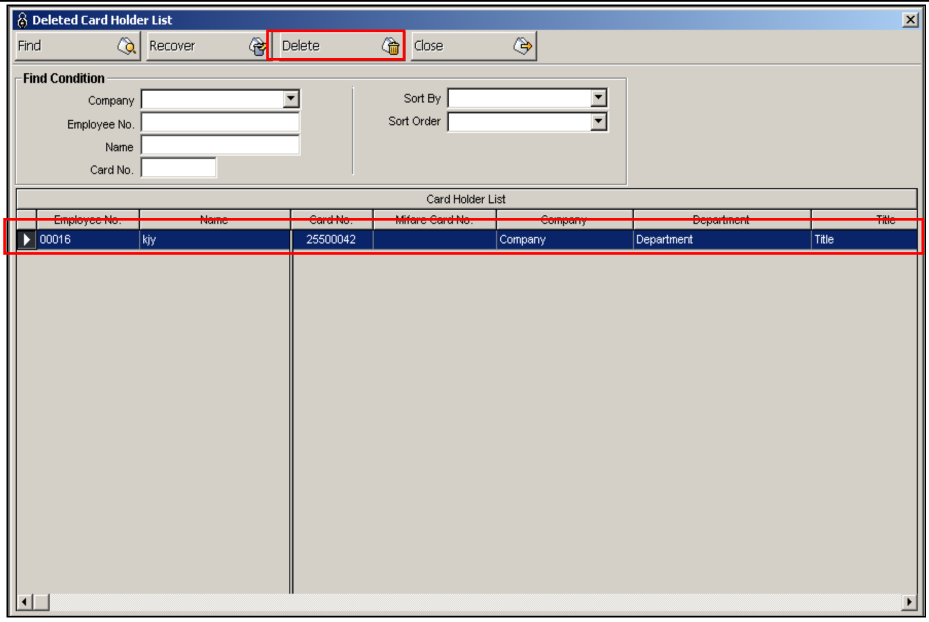


1) Select data to recover from Find or Contents.

2) Select Recover button to begin.

■ Delete

Delete is used to delete existing data. Find data to delete or to delete registered content list data.



1) Select Delete button. The screen below will appear. Select Yes button to delete or No button to cancel.



Visitor Management

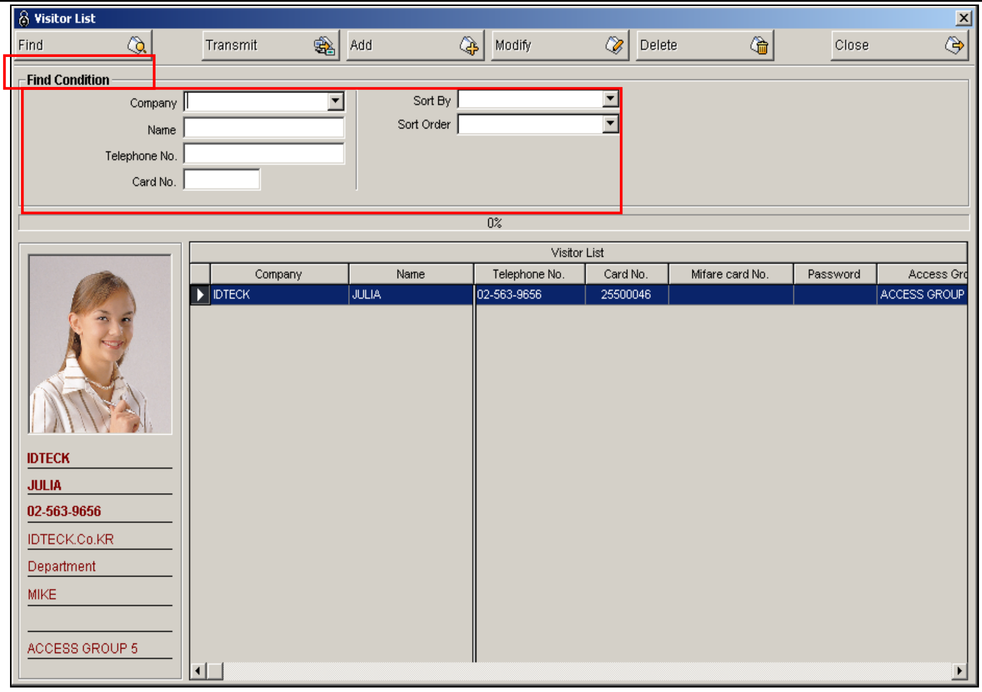
This function manages visitor access by means of temporary visit registration. The visitor is issued a card with setup of access area, and expire the access with input of Expire date automatically.

- Start

  Select Access Control Management->Visitor Management or press shortcut key F8.

- Find

  Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.



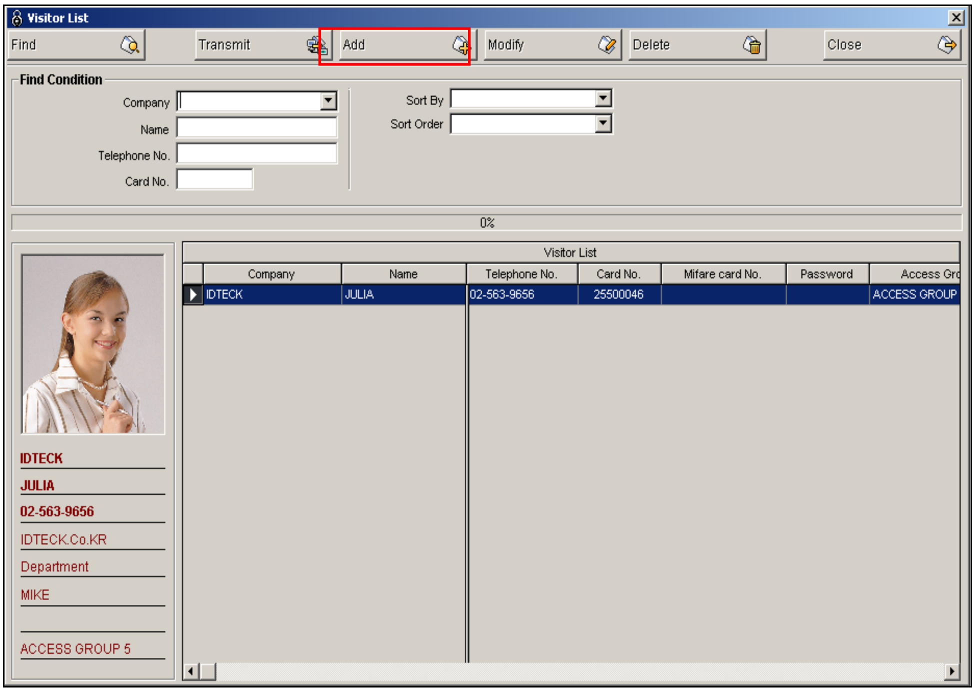
1) Input Company, Name, Telephone No, and Card No as appropriate.

2) Select Sort By and Sort Order.

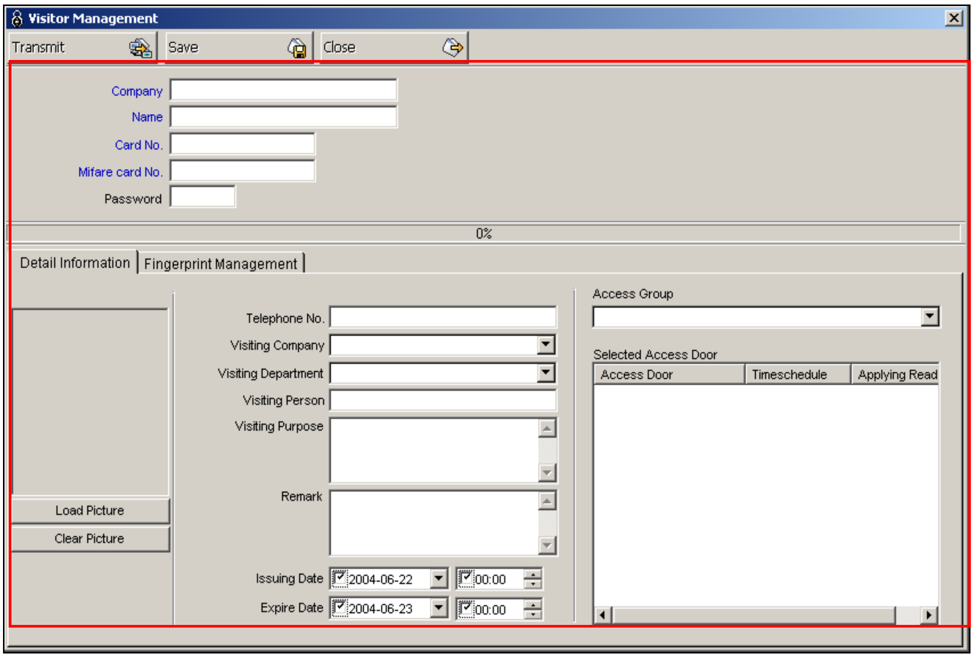
3) Select Find to make an inquiry. If inquired result is available, the screen appears.

■ Add

Add is used to create new data. Select Add button to add visitor information through input screen.



1) The following screen appears after selecting Add.



2) Input Company, Name, and Card No. This input is a requirement and must be done.

3) Input visitor information.

4) Setup Issuing Date and Expire Date. Expire Date activates the automatic deletion of visitor ID. This means if the Expire Date matches the current PC time, the ID is automatically deleted from the controller through communication.

The function of auto-deletion of ID number at the expiration date is transferred deletion order through communication after check expiration date in S/W. It is processed only when the program is being operated normally.

This function will be operated only for normal communication status so if the communication is lost, this function will not operate properly.

5) Setup visitor access area. Select from the Access Group already in place. This function needs to be registered initially.

6) Select Save button to save.

7) Select Transmit to register the ID to controller.

8) If system uses a FINGER007 (SR), select the fingerprint management tab.

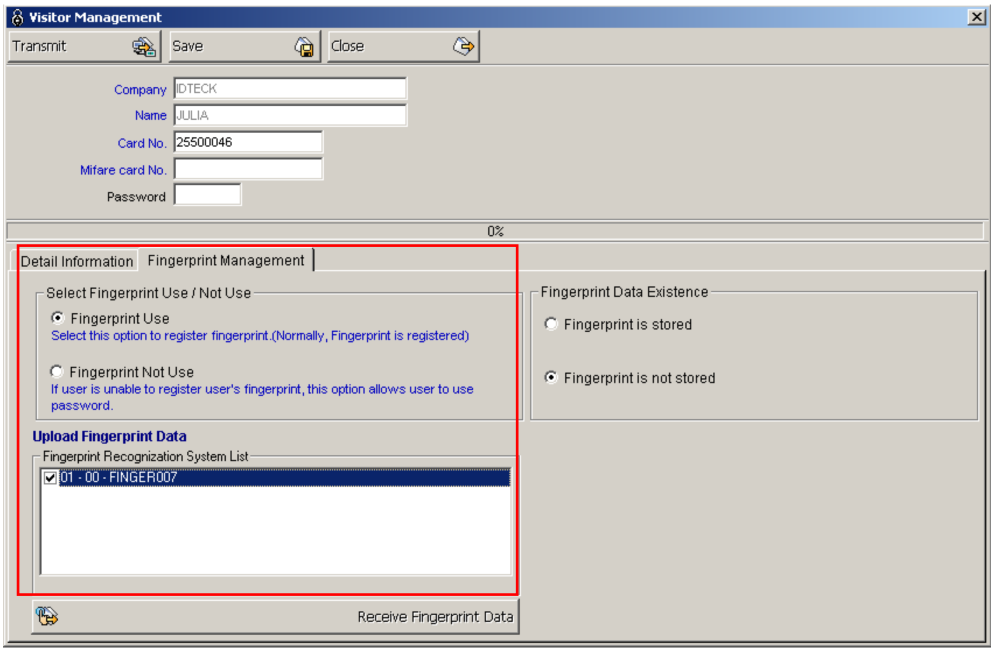
This is used to apply a fingerprint data management.

Select a fingerprint use/not use mode.

If selecting applies a fingerprint use mode, user needs to upload a fingerprint data from FINGER007 system that stores a fingerprint data.

Select a fingerprint system that has a visitor's fingerprint data.

Select ‘Receive a Fingerprint Data’ button to upload data.

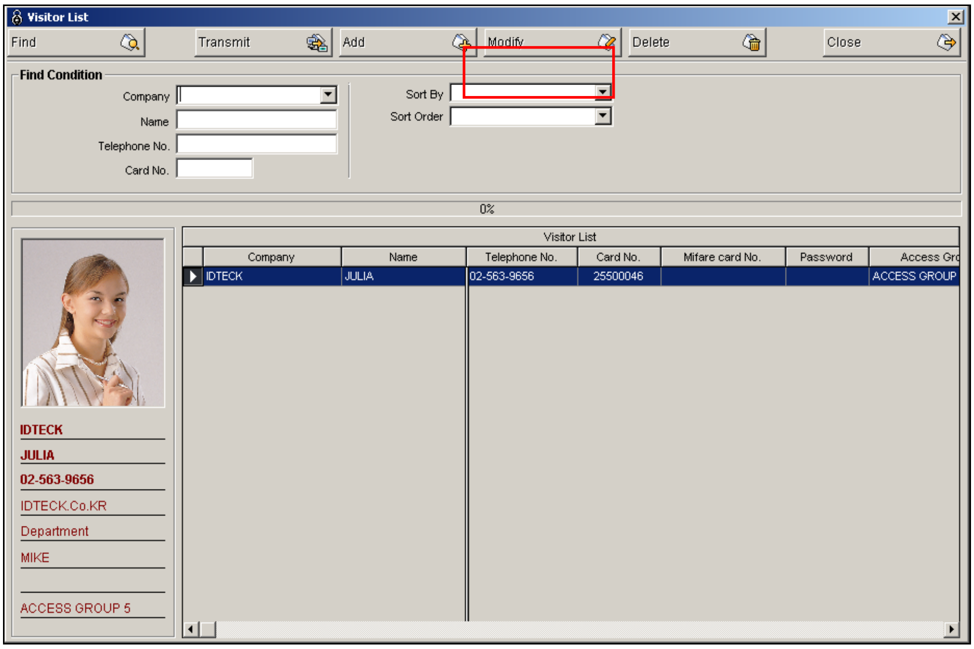


9) Select Close button to finish.

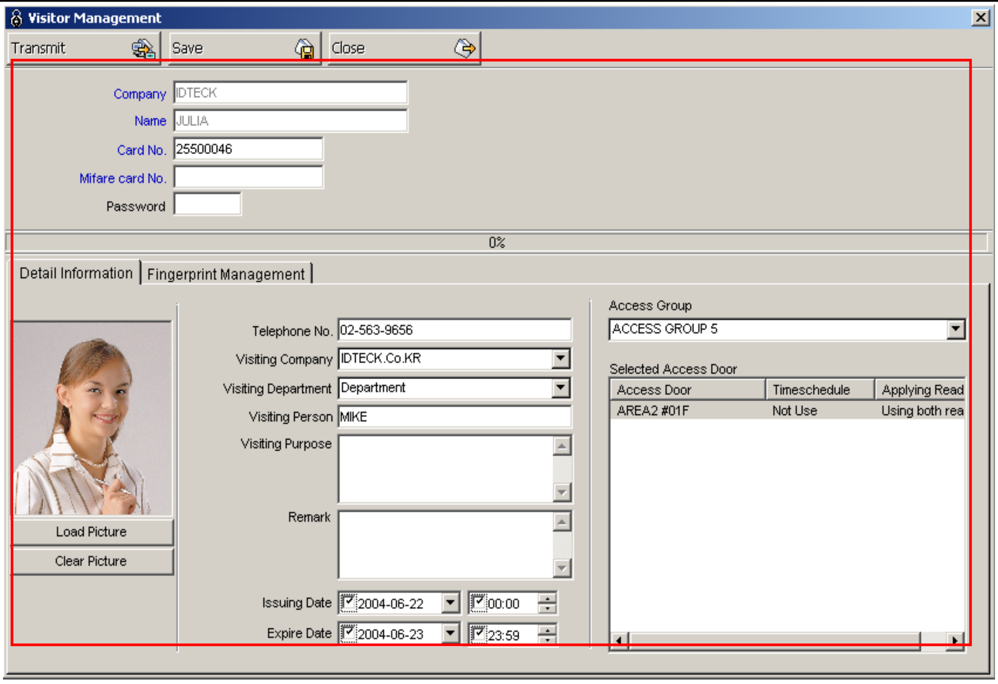
■ Modify

Modify is used to change existing data. Find data to modify or to change registered content category.

Selected data is displayed as below figure in highlighted bar.



1) Select Modify to see the following screen. The Visitor Management Modify is equal to registration screen. Therefore, Company and Name cannot be changed.



2) Modify data. You must transmit, if Card No and Access Group is changed.

3) If system uses a FINGER007 (SR), select the fingerprint management tab.

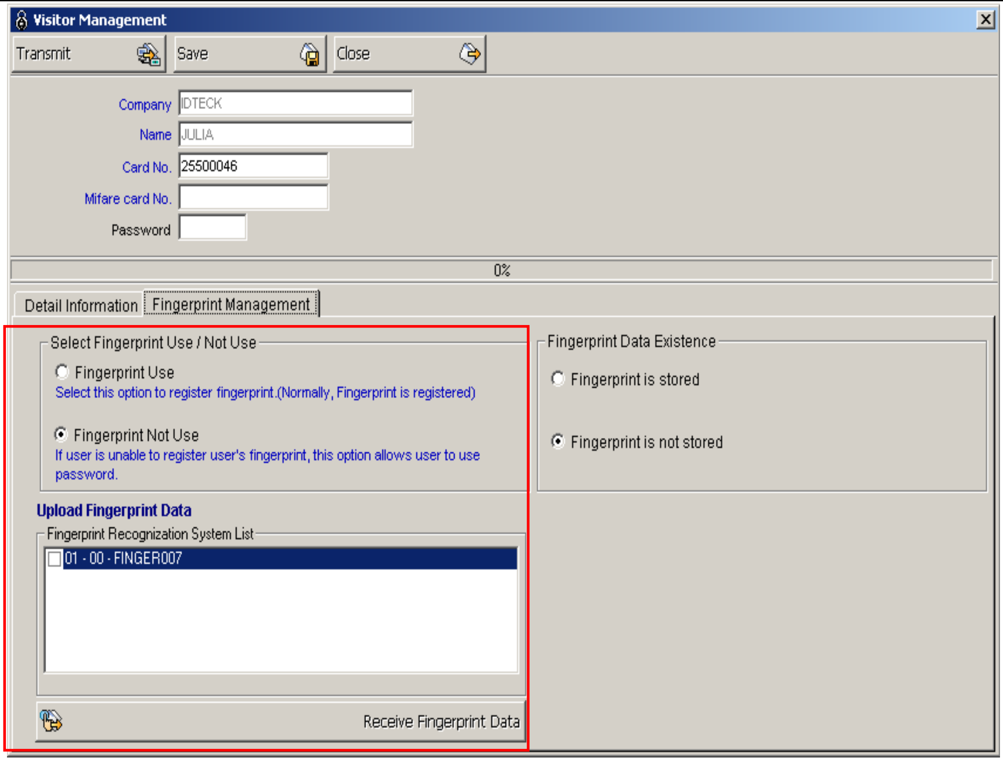
This is used to apply a fingerprint data management.

Select a fingerprint use/not use mode.

If selecting applies a Fingerprint Use mode, user needs to upload a fingerprint data from FINGER007 system that stores a fingerprint data.

Select a fingerprint system that has a visitor's fingerprint data.

Select 'Receive a Fingerprint Data' button to upload data.

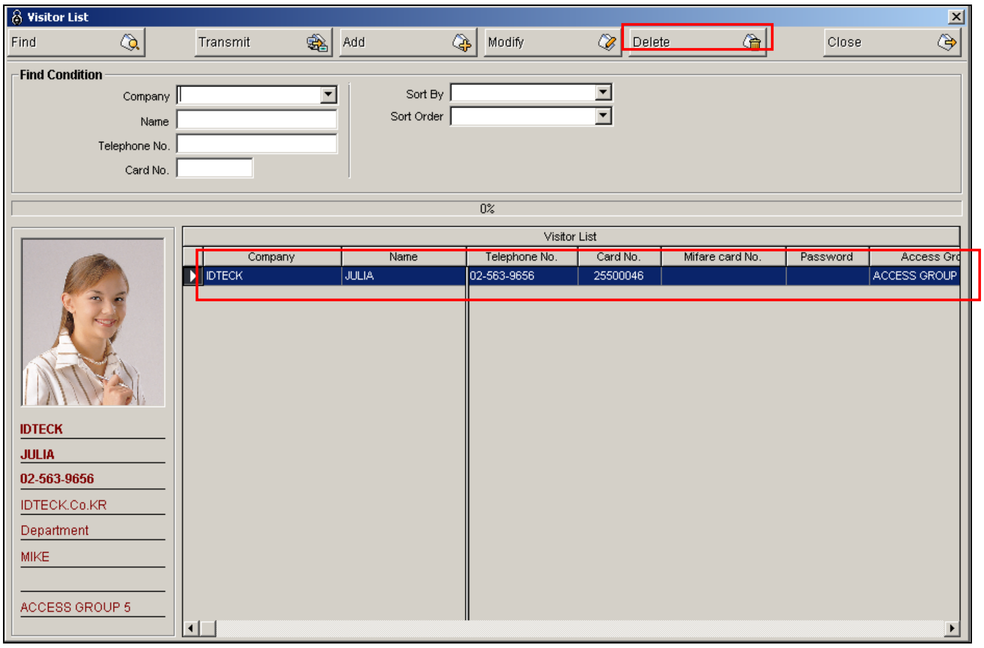


4) Select Save and Transmit button.

5) Select Close button to finish.

■ Delete

Delete is used to delete existing data. Find data to delete or to delete registered content data.

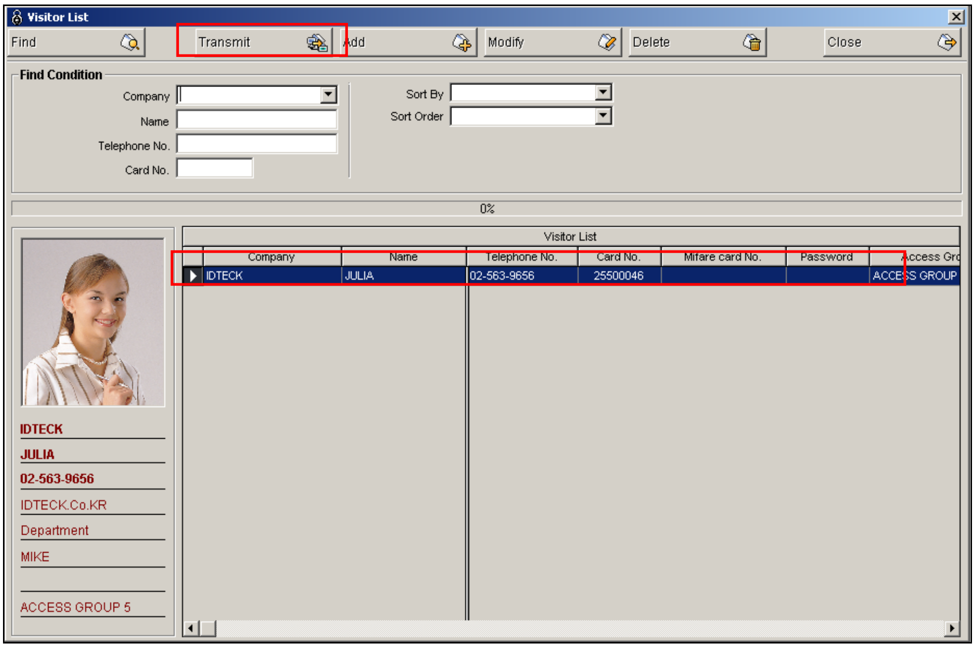


1) Select Delete button. The screen below will appear. Select Yes button to delete or No button to cancel.



- Transmit

  This function is used to send the setup functions to the controller for activation. Use Find to search for data transmit or select the data from the registered reader categories to send.



1) Select from Visitor List.

2) Select Transmit. Select Close to finish.

View

Access Door Status/Control

This function lets the user monitor access door status in real time. The icon status changes displaying in real time (Door Open, Door Closed, Lock, and Unlock)

Also, the user can control Lock, Unlock of access door by location of (entire, area type, floor type, individual type door)

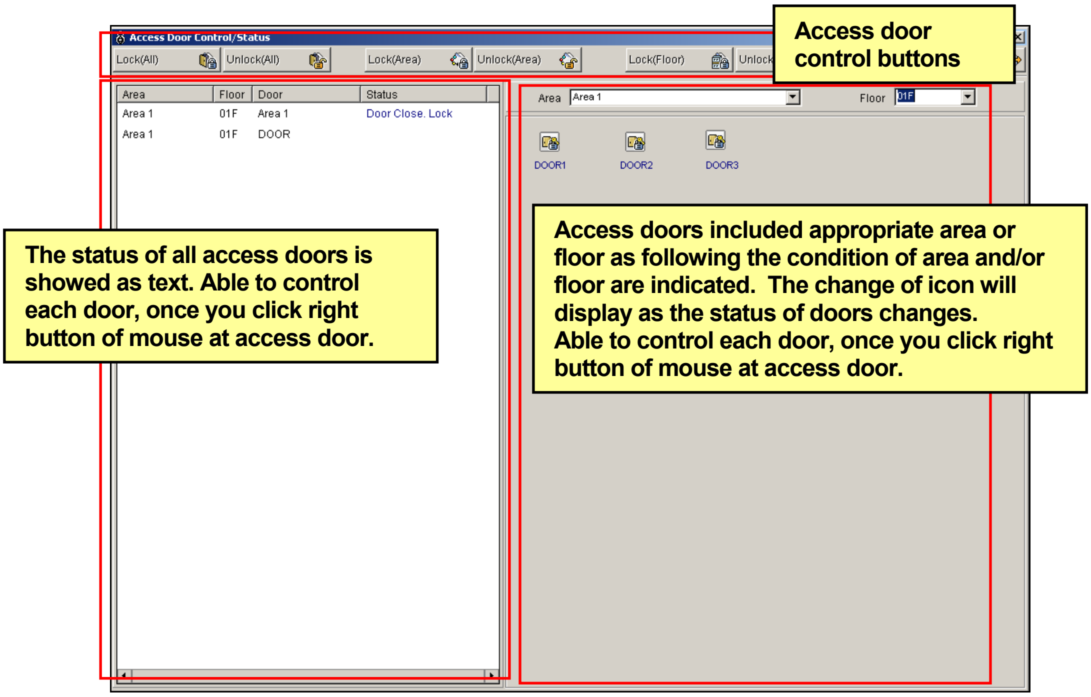
- Start

  Select View->Door Status/Control or press shortcut key Ctrl+F1.

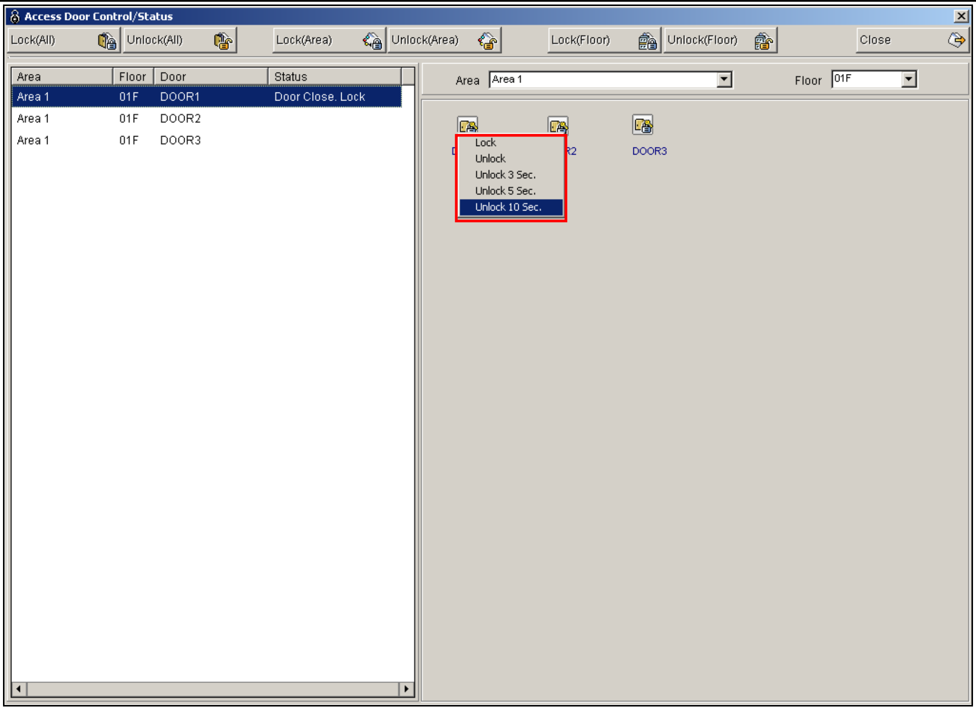
- Control

  This is used to control door of (entire, area type, floor type, individual type door)

  - Lock (Entire): Entire doors are locked.
  - Unlock (Entire): Entire doors are unlocked.
  - Lock (Area): Selected area doors are all locked.
  - Unlock (Area): Selected area doors are all unlocked.
  - Lock (Floor): Selected Floor doors are all locked.
  - Unlock (Floor): Selected Floor doors are all unlocked.



  - Lock: Selected door is locked.
  - Unlock: Selected door is unlocked.
  - 3 sec Unlock: Selected door is unlocked for 3 sec.
  - 5 sec Unlock: Selected door is unlocked for 5 sec.
  - 10 sec Unlock: Selected door is unlocked for 10 sec.



Transaction Status

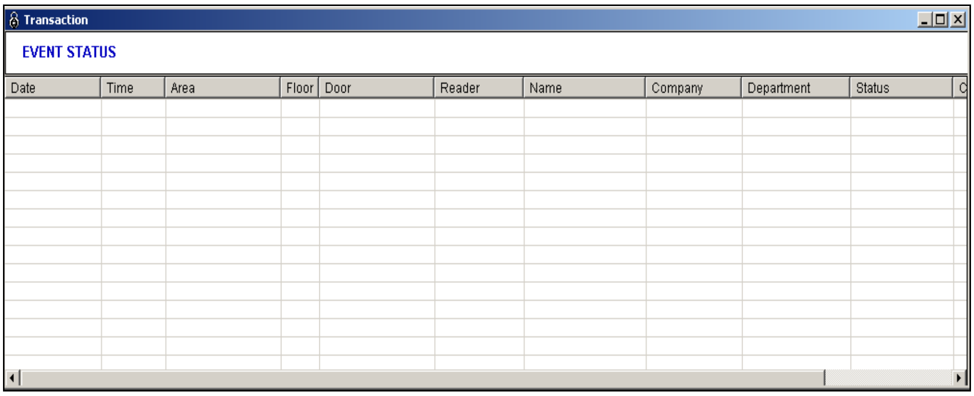
This function displays normal and alarm events when an event occurs. It lets the user to check the real time event status.

- Start

  Select View->Transaction Status or press shortcut key Ctrl+F2.

- Event Status

  This displays normal access events.

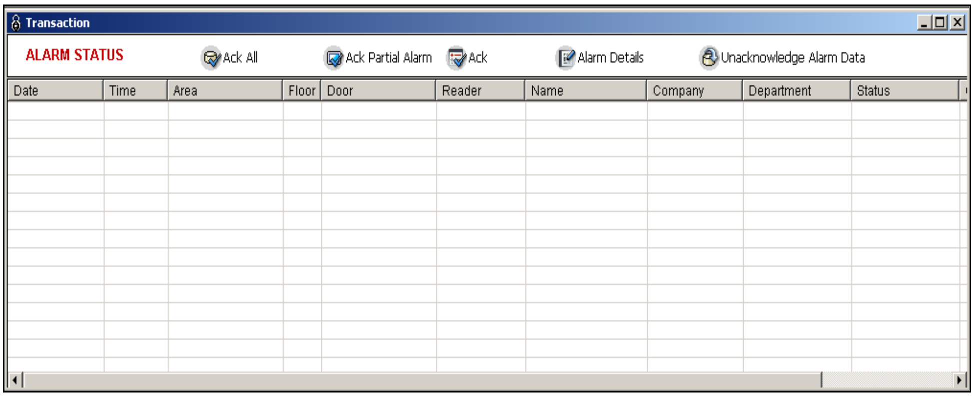


- Alarm Status

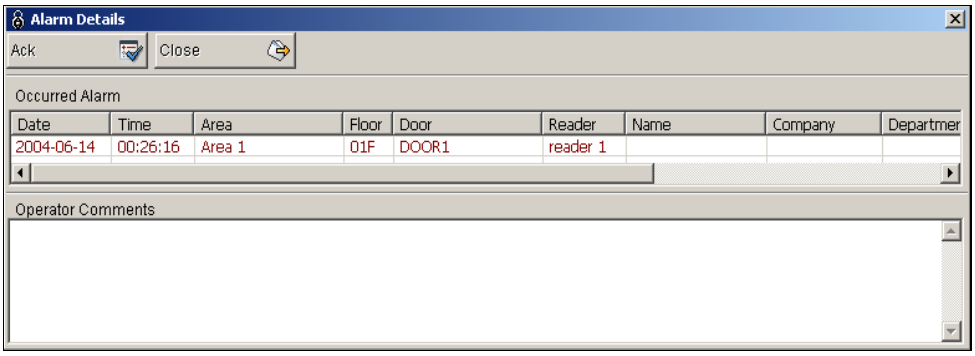
  This displays various alarm events. It shows user access denied event, timeschedule error, and other input/output events.

Also, in the event of an alarm, there is an Admin acknowledgement function. User needs to acknowledge alarm status. If the alarm event was not checked, it will load into the alarm status when program is rebooted.

The number of alarm status loaded into the program is 3000 listings standard. If the user does not check the alarm status the alarm status will roll from the beginning and will not display again.



- ACK. All: Acknowledge all alarm events currently displayed.
- ACK: Acknowledge alarm event selected with a mouse.
- Alarm Details: Acknowledge alarm event selected with a mouse can input details with Operator Comments. Once the alarm details are completed, select ACK button to acknowledge.

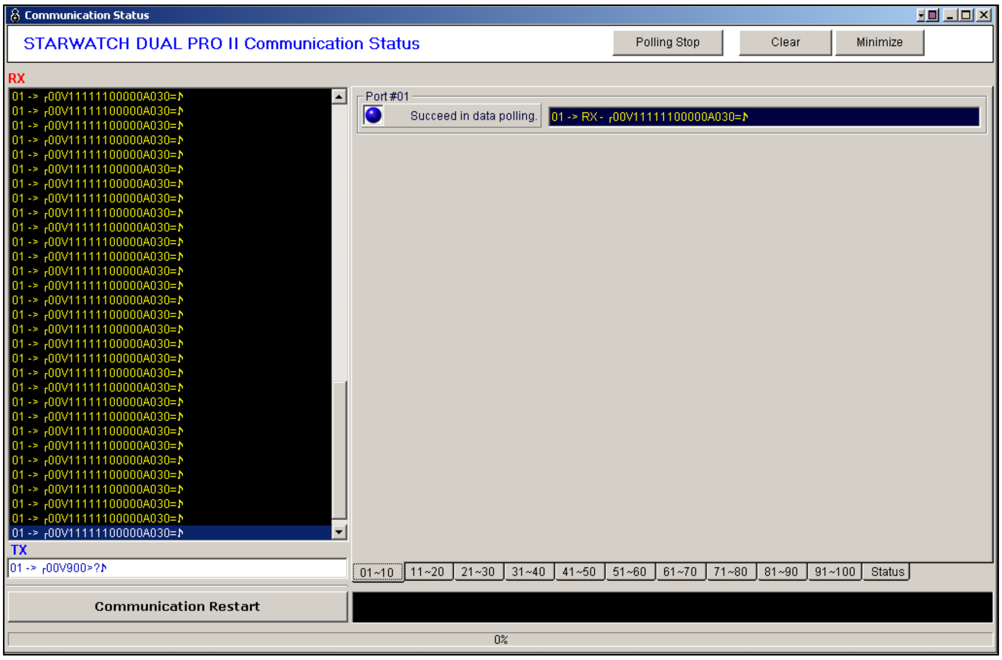


Alarm Status is displayed in various colors depending on alarm event type. Also, when the Admin acknowledges an alarm event, the event is displayed in black to check whether or not the alarm event was acknowledged.

Communication Status

Status of Communication of controller of each Loop can be monitored through Communication Status. From '01 ~ 10' To ''91' ~ '100' means each loop and last Status tab shows communication status of all loop.

If Loop or Controller information is changed, Click Communication Restart button to restart communication. This function enables to start communication without exiting program.



Report

Card Holder List Report

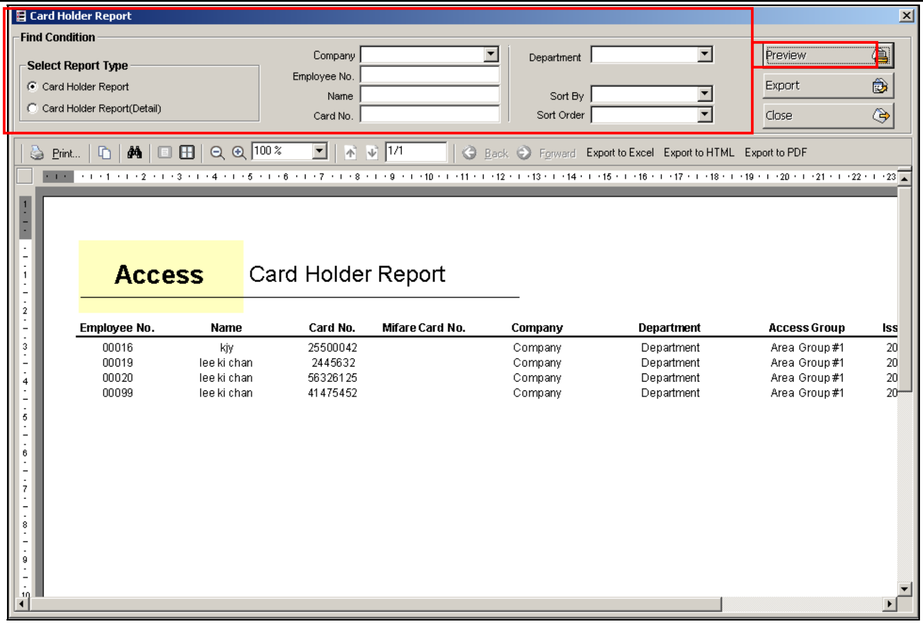
The registered user status in Card Holder Management can be outputted.

- Start

  Select Report->Card Holder List or press shortcut key Ctrl+F4.

- Preview

  This function uses registered Card Holder data as basis to print Card Holder contents in agreement to Find Condition.



1) Select Report Type.

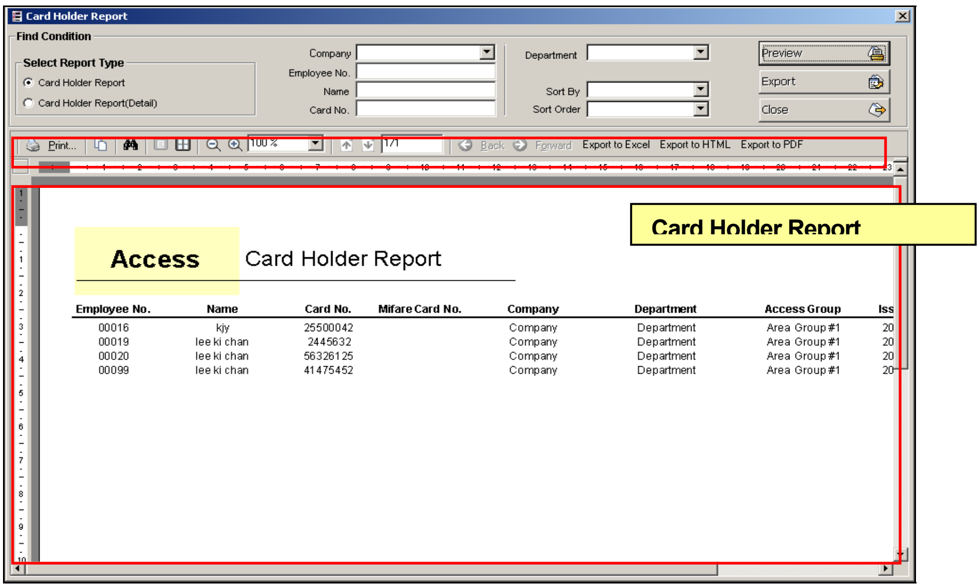
Door Access Reports simply print employee's number, name, company, department, title, and access group.

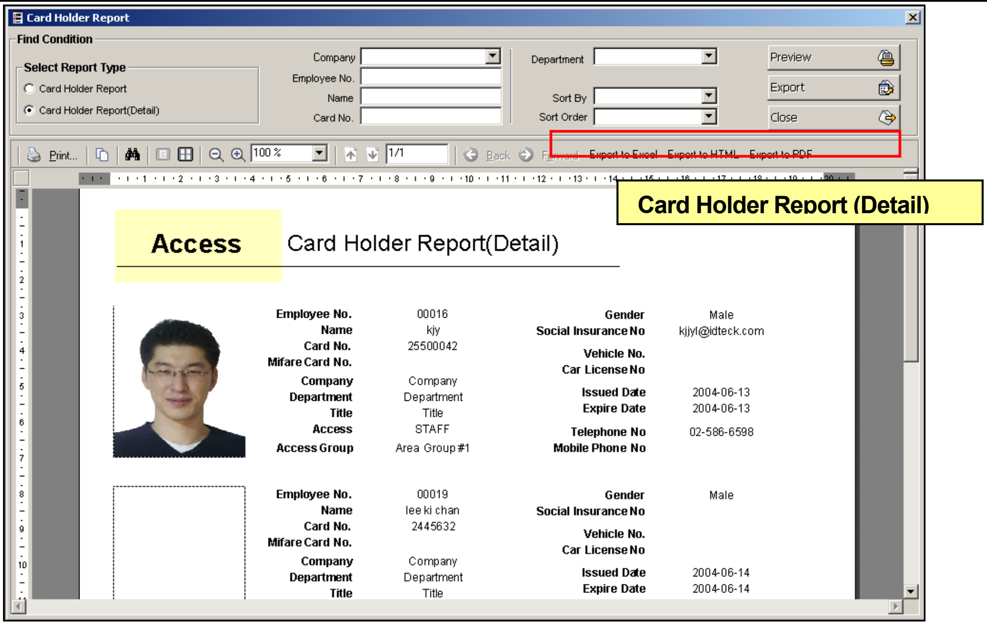
Door Access Detail Reports print user's personal information and their photo images. (It could cause system overload if access data has many lists with photo images to print or preview.

2) Input Company, Employee No, Name, and Card No as appropriate.

3) Select Sort By and Sort Order.

4) Select Print button. If data is found, it will display how it will look when printed. The following screen will appear.

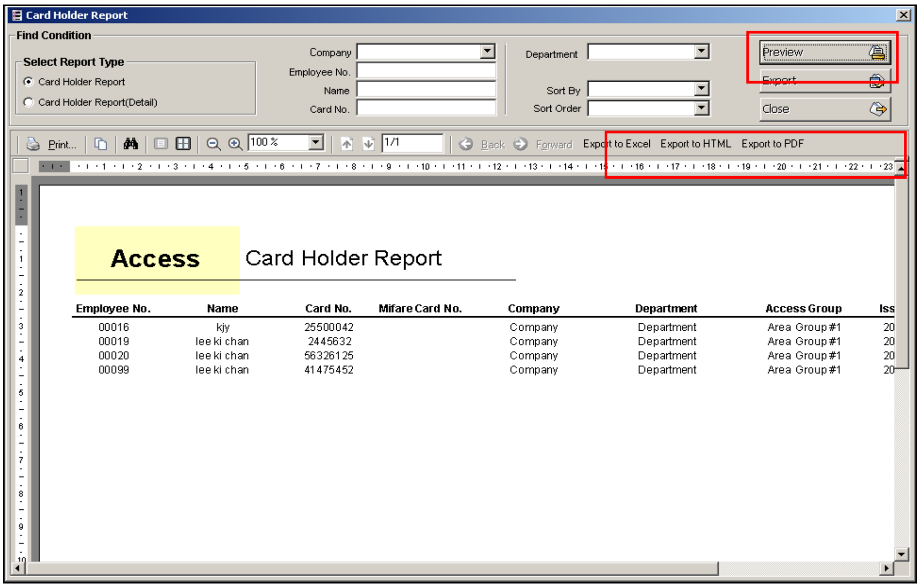




5) To obtain print out of this screen, select the Print button located in the top left hand side.

■ File Conversion

All reports can be converted to three different types of file. It can be converted to PDF, HTML, and Excel file. These converted files can be sent out via Internet and email to another person.



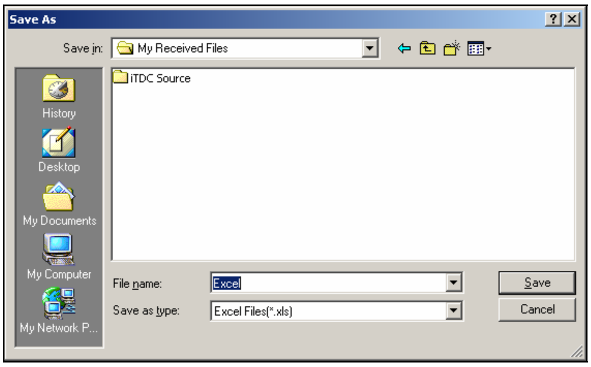
✓ Export to Excel: Excel report file is created as appearing in print image.

✓ Export to HTML: HTML report file is created as appearing in print image.

✓ Export to PDF: PDF report file is created as appearing in print image. You will need Adobe Acrobat Reader to view the PDF file.

1) Select the button for the type of file conversion.

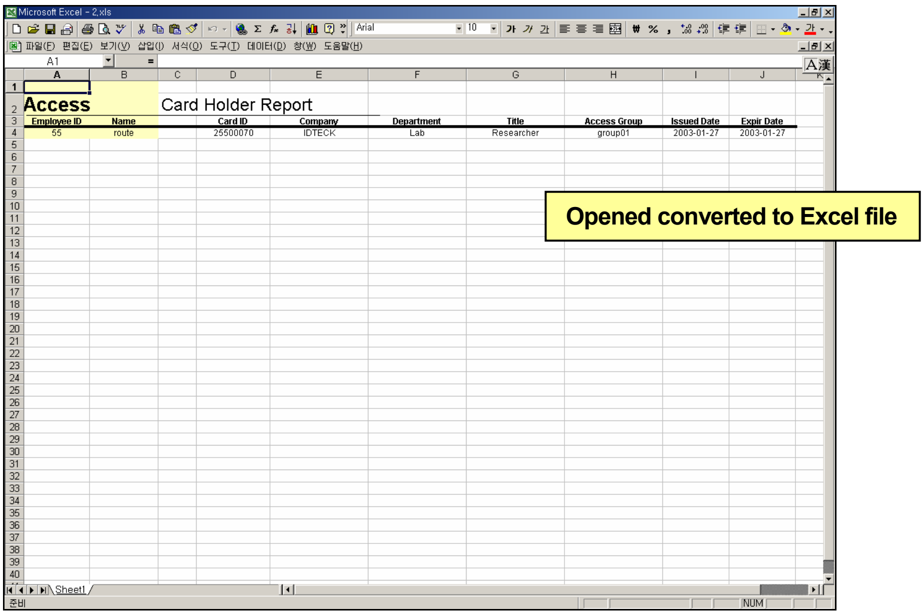
2) The following screen will appear. Input the file name and designate a folder location.

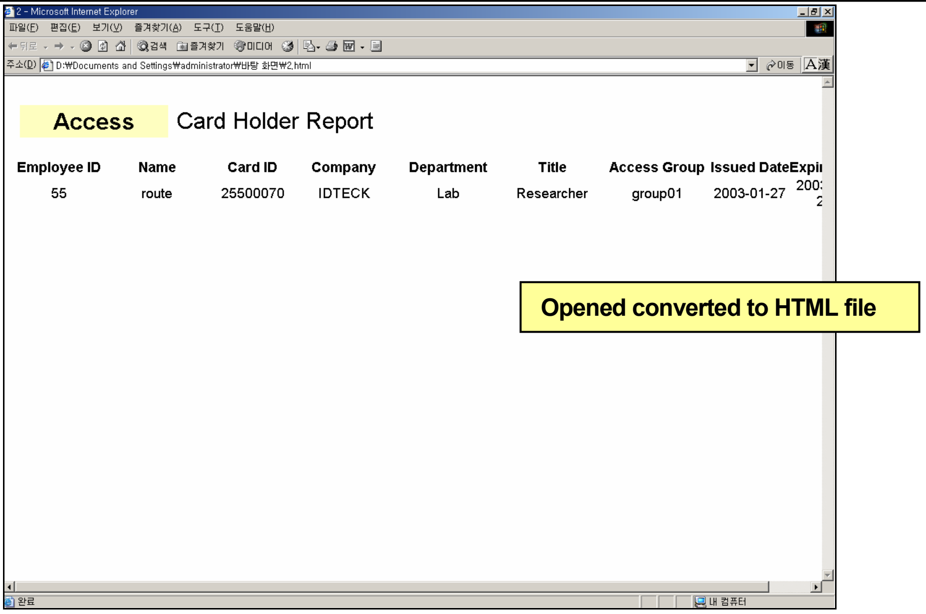


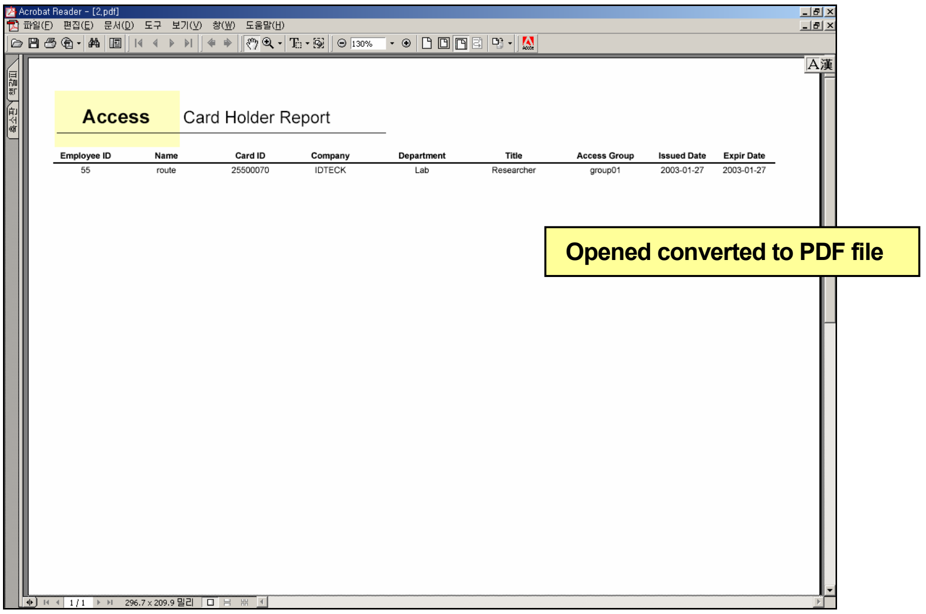
3) Select Save button. Depending on file conversion type, it may take some time to complete.

There are instances where it may take some time for the procedure to complete, depending on conversion file type and number of pages. PDF and Excel file conversion takes some time. You will need to wait until the mouse's cursor hourglass display is finished.

4) Once conversion is completed, you can open the converted file to check file image.



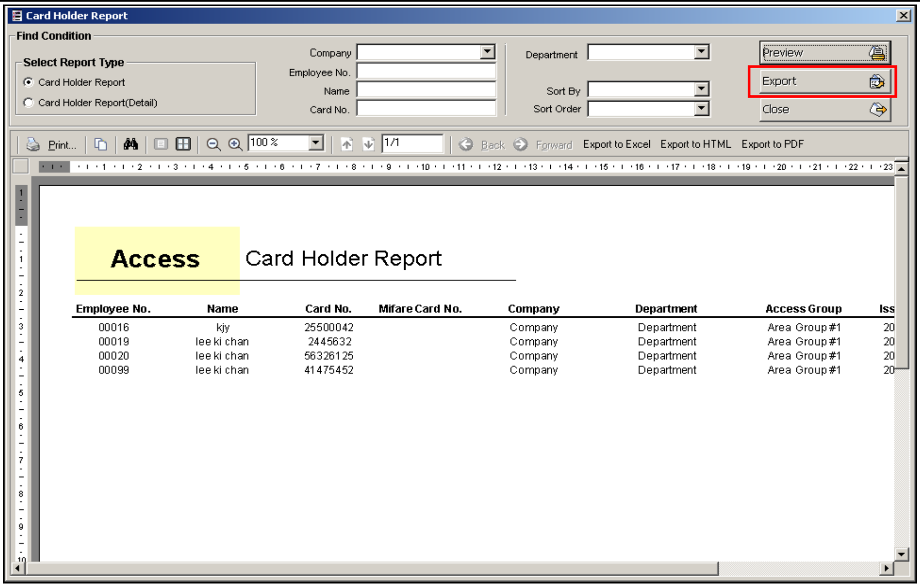




- Export

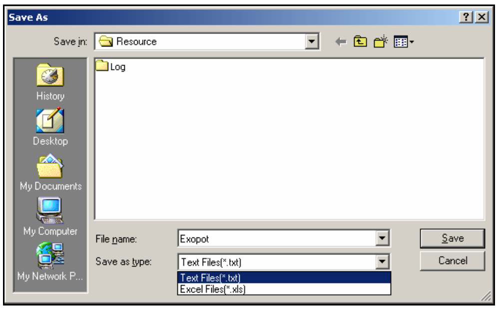
This function is used to export specified file through Find data for storage.

Selecting Export button can store data from Find in text and Excel file.

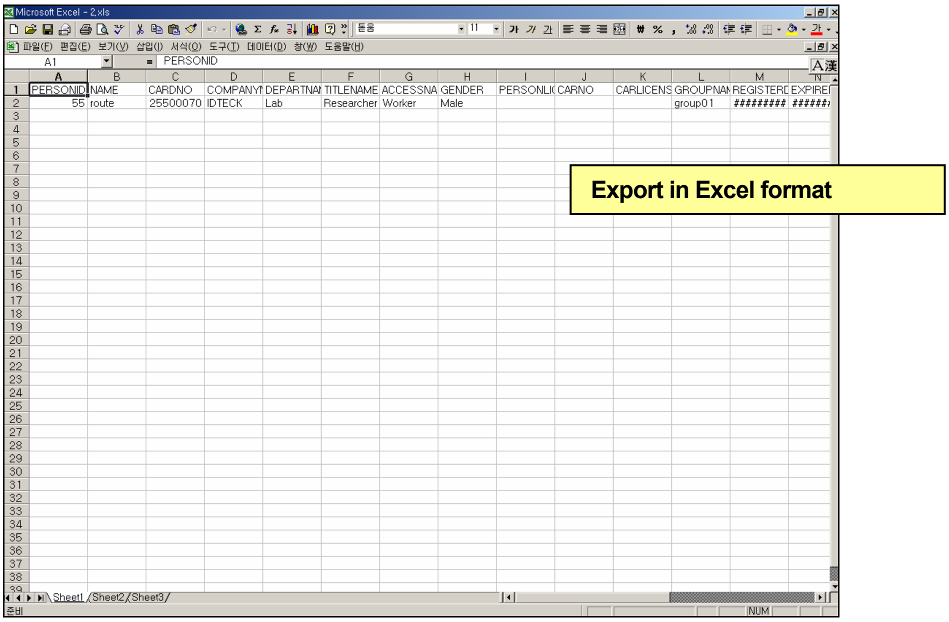


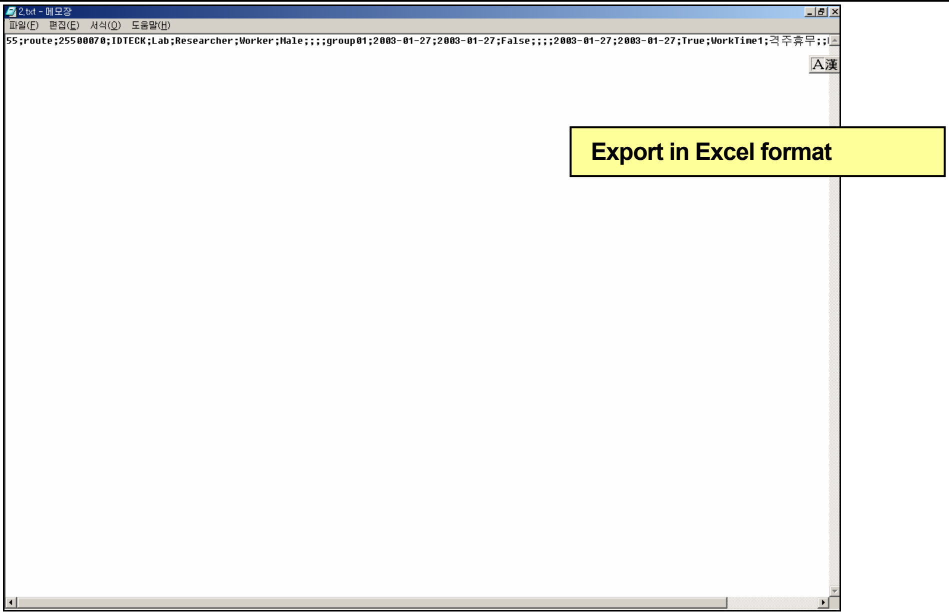
1) Input Search Condition.

2) Select Export button and the following screen appear.



3) Input file location, name, and select file format. Select Save button to save.





Delete Card Holder Report

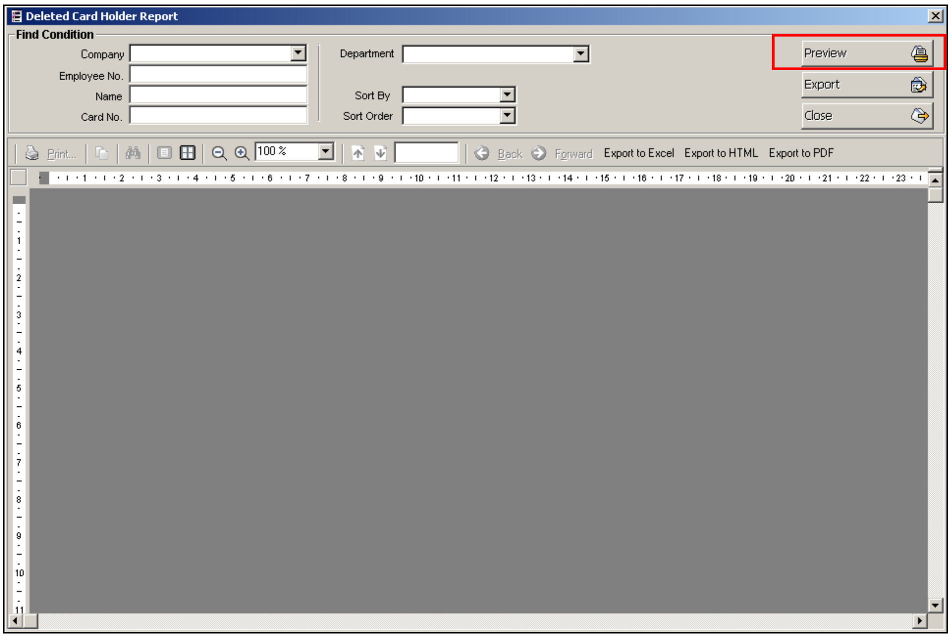
The reports from deleted card holder in Card Holder Management are searched and printed. It searches and prints data registered in Delete Management.

- Start

  Select Report->Deleted Card Holder List Report or press shortcut key Ctrl+F5.

- Preview

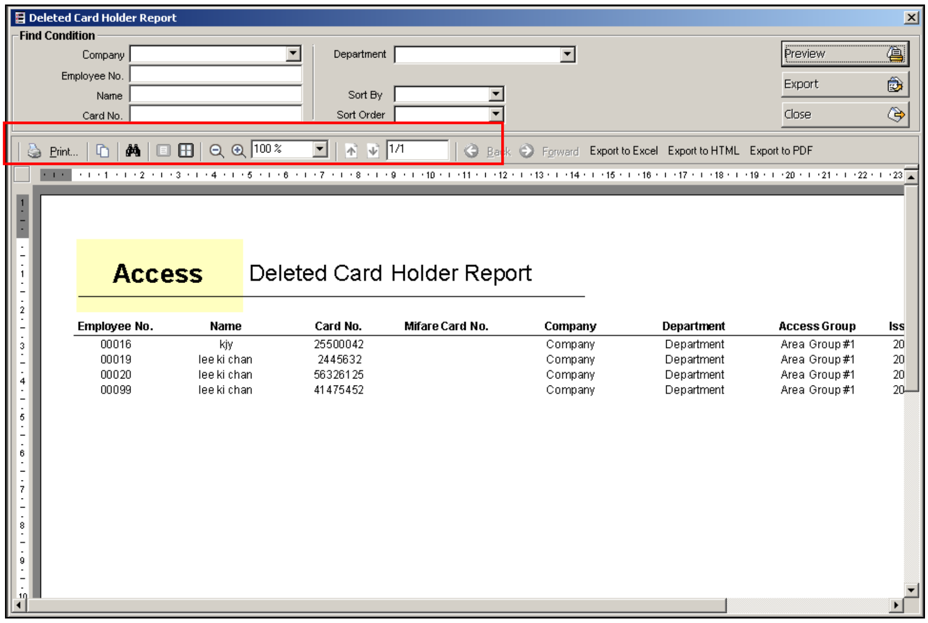
  This function prints the report of Deleted Card Holder List in agreement with registered deleted card holder data.



1) Input Company, Employee No, Name, and Card No as appropriate.

2) Select Sort By and Sort Order.

3) Select Print button. If data is found, it will display how it will look when printed. The following screen will appear.



4) To obtain print out of this screen, select the Print button located in the top left hand side.

- Export and Conversion

These functions are used identically to the methods explained formerly.

Event History Report

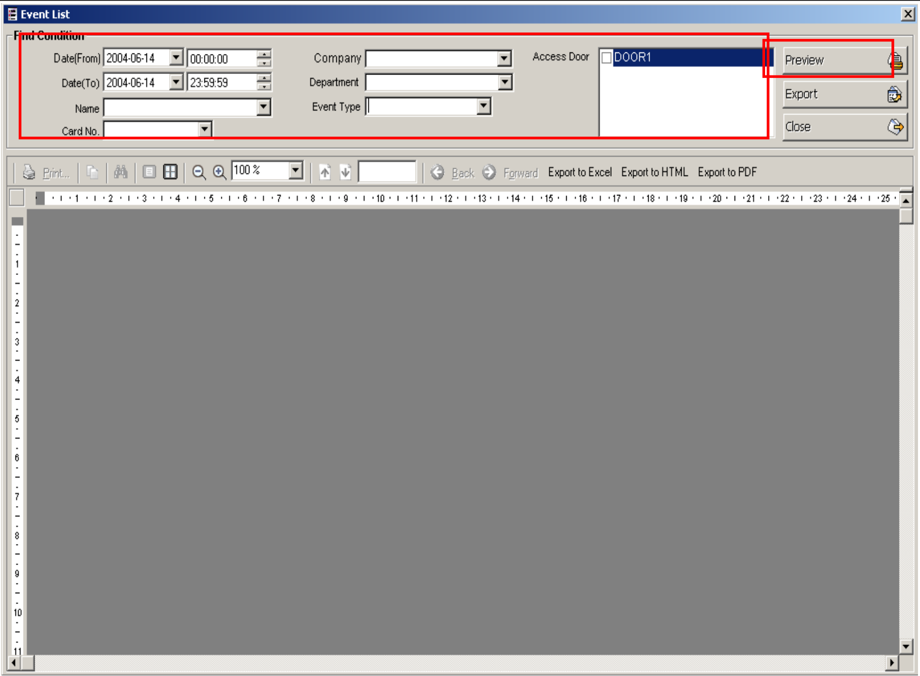
This report is searched as normal access event data of date and time. This data prints out all users' access record through search. Use appropriate condition to search and print.

- Start

Select Report->Event History Report or press shortcut key Ctrl+F6.

- Preview

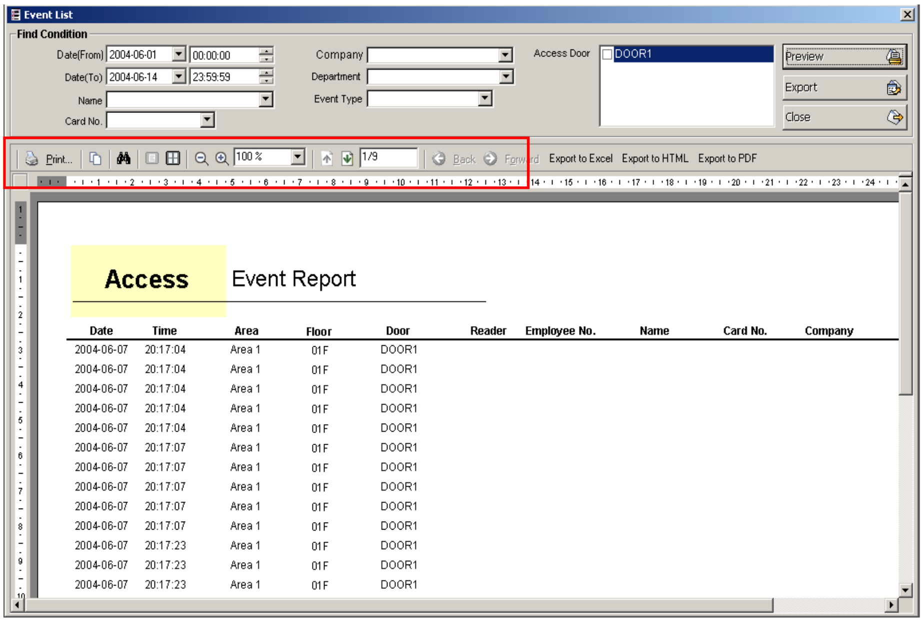
This function prints the report of stored access status data in agreement with search data.



1) Input Date (From), Date (To), and time period for each date.

2) Select other items as appropriate.

3) Select Print button. If data is found, it will display how it will look when printed. The following screen will appear.



4) To obtain print out of this screen, select the Print button located in the top left hand side.

Alarm History Report

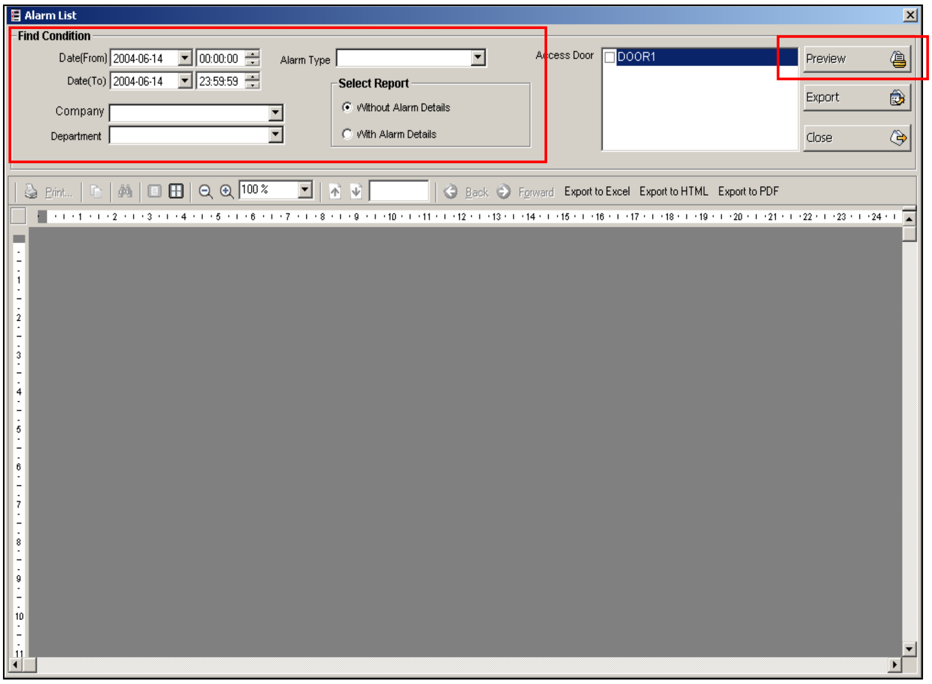
This report searches and prints alarm event data. All data related to alarm events are stored in database. Using date and time as Find Condition, the alarm event status is searched and printed.

- Start

Select Report->Alarm History Report or press shortcut key Ctrl+F7.

- Print

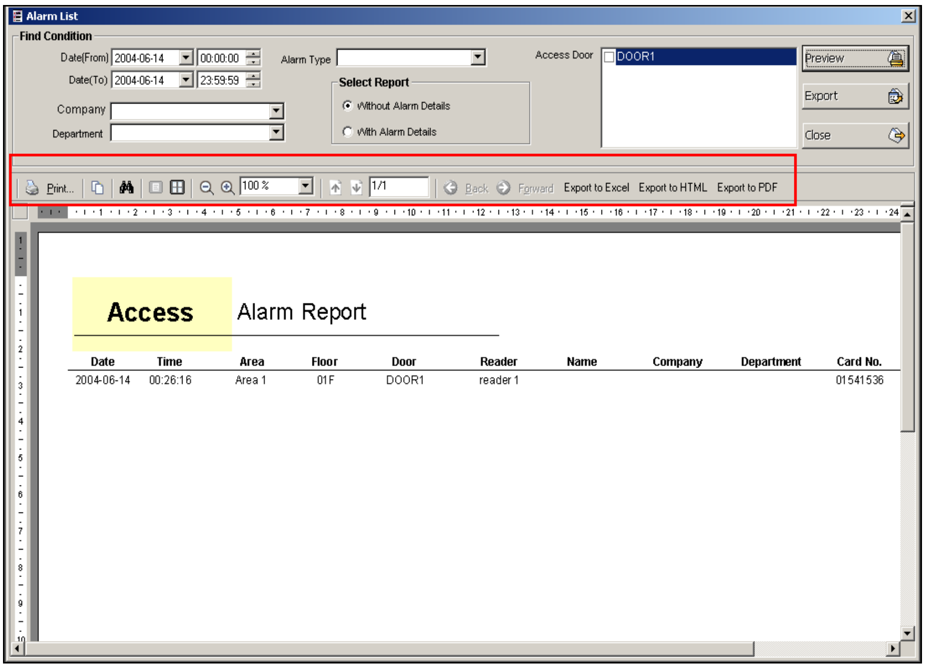
This function prints the report of stored alarm status data in agreement with search data.



1) Input Date (From), Date (To), and time period for each date.

2) Select other items as appropriate.

3) Select Print button. If data is found, it will display how it will look when printed. The following screen will appear.



4) To obtain print out of this screen, select the Print button located in the top left hand side.

Individual Type Access Door Report

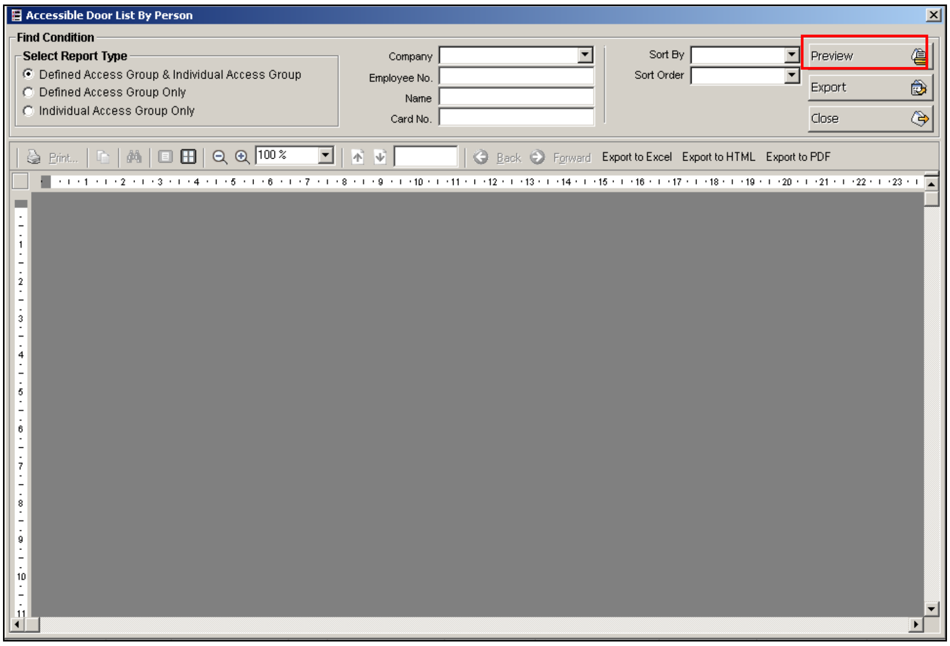
This report uses setup Access Group data in Card Holder Registration, as basis to print out data of individual type access area/door status setup.

- Start

  Select Report->Individual Type Access Door Report or press shortcut key Ctrl+F8.

- Print

  It will print out Accessible Door List by Person.



1) Input Date (From), Date (To), and time period for each date.

2) Select other items as appropriate.

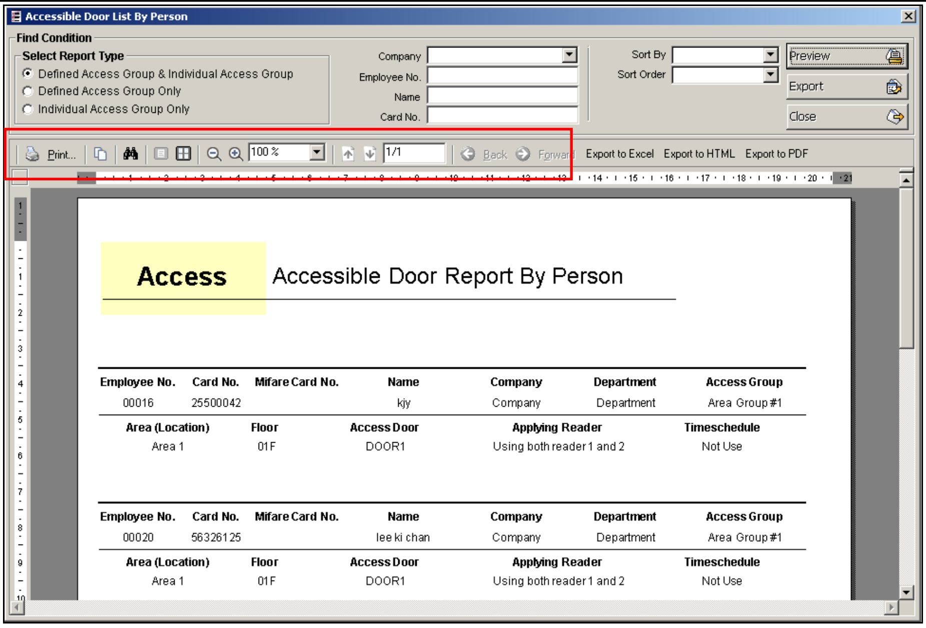
3) Select Report Type.

   Defined Access Group & Individual Access Group report consists of designate access group setup data and individual door type list setup.

   Defined Access Group Only report consists of designate access group setup data.

   Individual Access Group Only report consists of individual door type list setup.

4) Select Print button. If data is found, it will display how it will look when printed. The following screen will appear.



5) To obtain print out of this screen, select the Print button located in the top left hand side.

Accessible Door List by Person Report

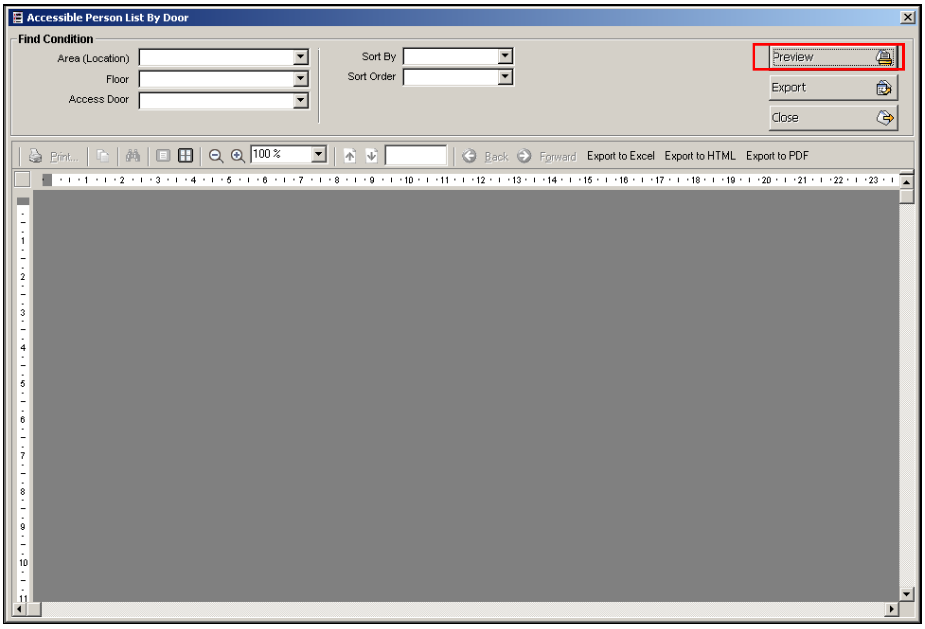
This report uses Accessible Door as basis to search and print out corresponding access door applied to give user authority.

■ Start

Select Report->Accessible Door List by Person or press shortcut key Ctrl+F9.

■ Print

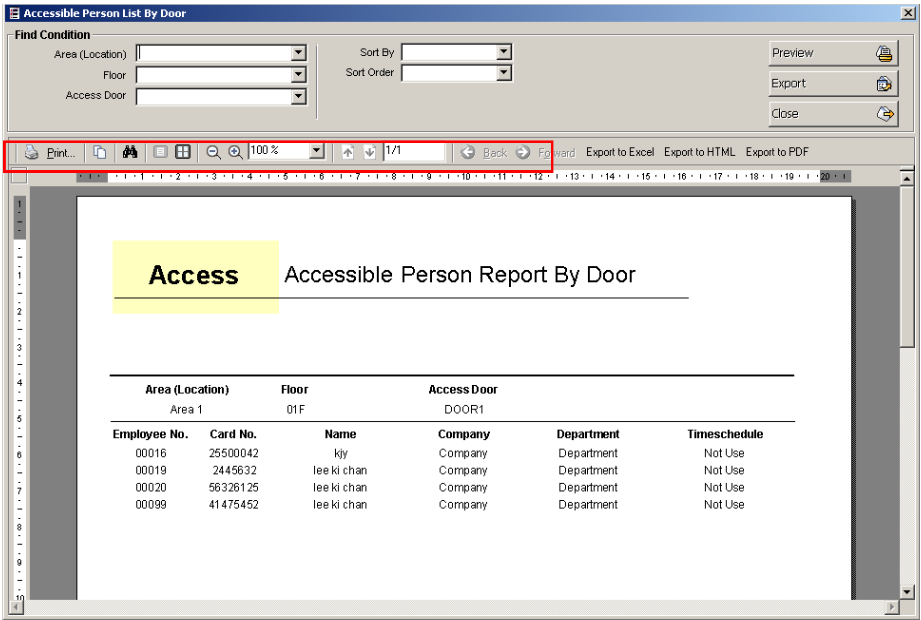
It will print out Accessible Door List by Person.



1) Input Date (From), Date (To), and time period for each date.

2) Select other items as appropriate.

3) Select Print button. If data is found, it will display how it will look when printed. The following screen will appear.



4) To obtain print out of this screen, select the Print button located in the top left hand side.

Visitor Event List

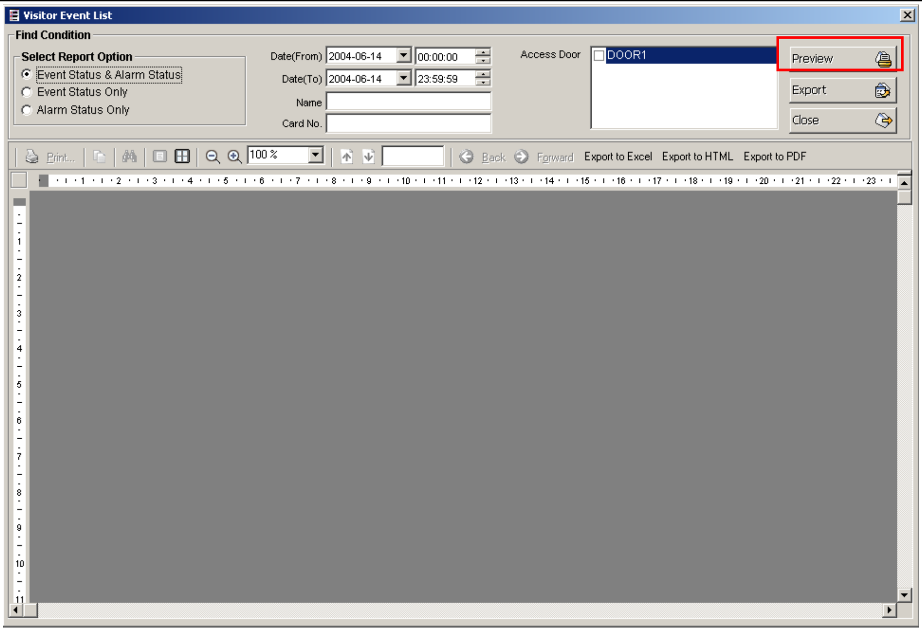
This function searches and prints registered visitors' access event status data. This data is stored in database and the user search and print this data using date and time as basis.

- Start

  Select Report->Visitor Event History Report or press shortcut key Ctrl+F11.

- Print

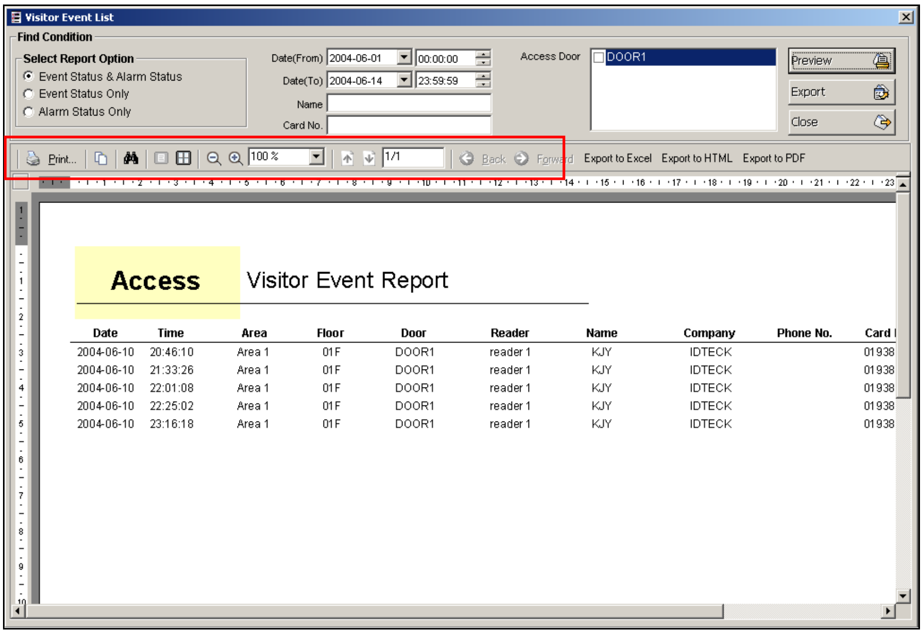
  It will print out Visitor Event List.



1) Input Date (From), Date (To), and time period for each date.

2) Select other items as appropriate.

3) Select Print button. If data is found, it will display how it will look when printed. The following screen will appear.



4) To obtain print out of this screen, select the Print button located in the top left hand side.

Last Access Event Report

This report is based on Last Access Event data to locate the current site the user is at, using the event occurrence data to search and print out.

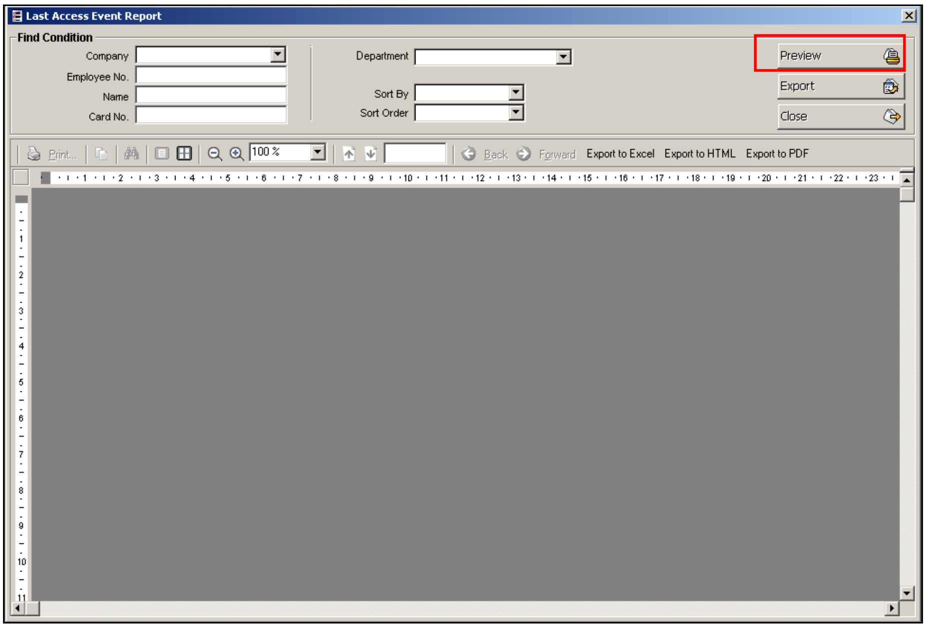
This data when used with controller Antipassback function can create accurate data, but if Antipassback is not used, the resulting data cannot be seen as accurate.

- Start

  Select Report->Last Access Event Report or press shortcut key Ctrl+F12.

- Print

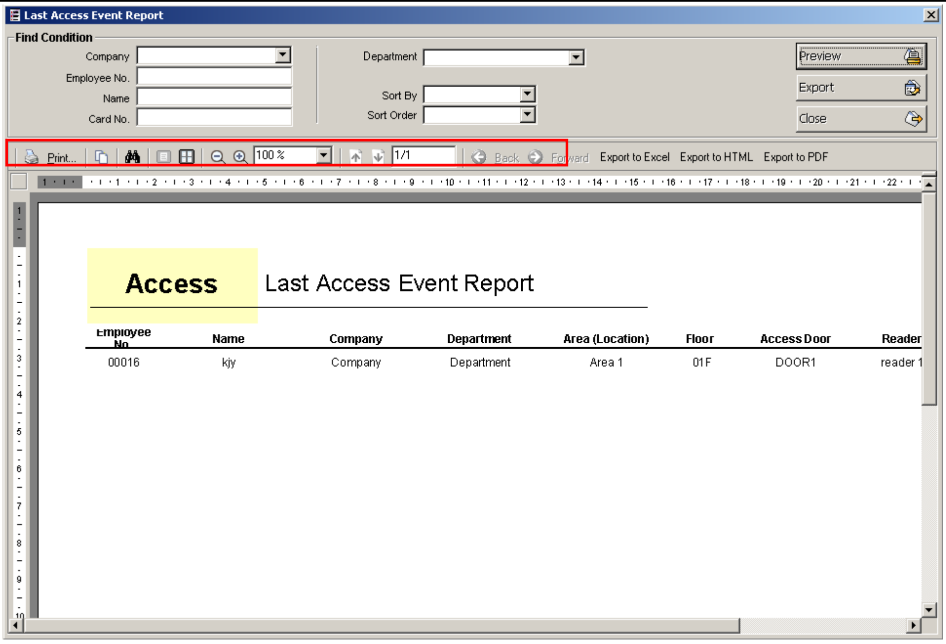
  It will print out Last Access Event Report.



1) Input Date (From), Date (To), and time period for each date.

2) Select other items as appropriate.

3) Select Print button. If data is found, it will display how it will look when printed. The following screen will appear.



4) To obtain print out of this screen, select the Print button located in the top left hand side.

Access Door Report By Registered Person

This report searches and prints the access door by registered ID. This data is stored in database and the user search and print this data

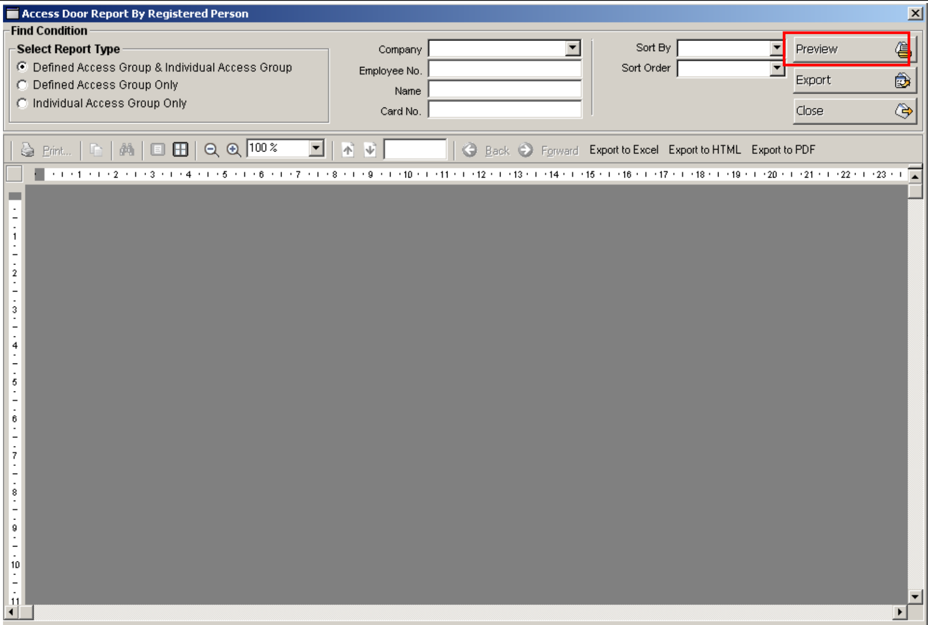
This report is based on result data after transmitting Card No. So, it may not be correct when the controller is operated without use of software.

- Start

  Select Report-> Access Door Report By Registered Person.

- Print

  It will print out Access Door Report By Registered Person.



1) Input Date (From), Date (To), and time period for each date.

2) Select other items as appropriate.

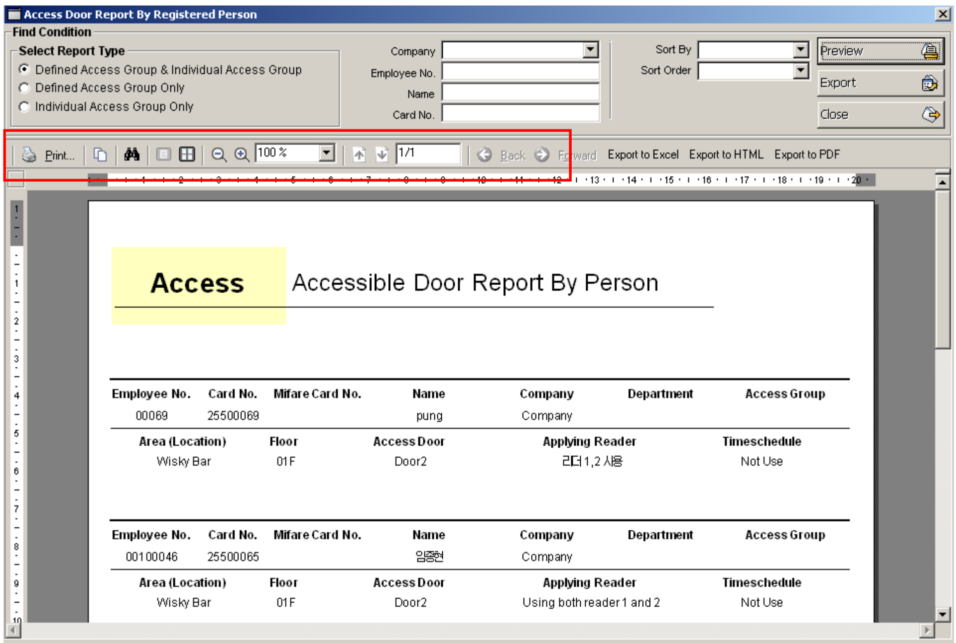
3) Select Report Type.

   Defined Access Group & Individual Access Group report consists of designate access group setup data and individual door type list setup.

   Defined Access Group Only report consists of designate access group setup data.

   Individual Access Group Only report consists of individual door type list setup.

4) Select Print button. If data is found, it will display how it will look when printed. The following screen will appear.



5) To obtain print out of this screen, select the Print button located in the top left hand side.

Registered Person Report By Access Door

This report uses Accessible Door as basis to search and print out corresponding access door applied to give user authority.

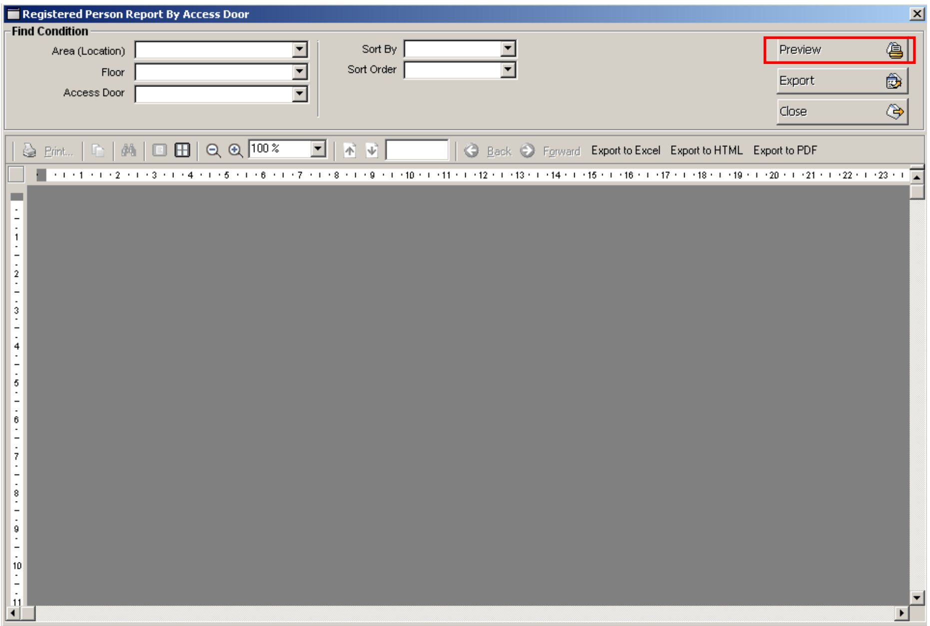
This report is based on result data after transmitting Card No. So, it may not be correct when the controller is operated without use of software.

- Start

  Select Report->Registered Person Report By Access Door.

- Print

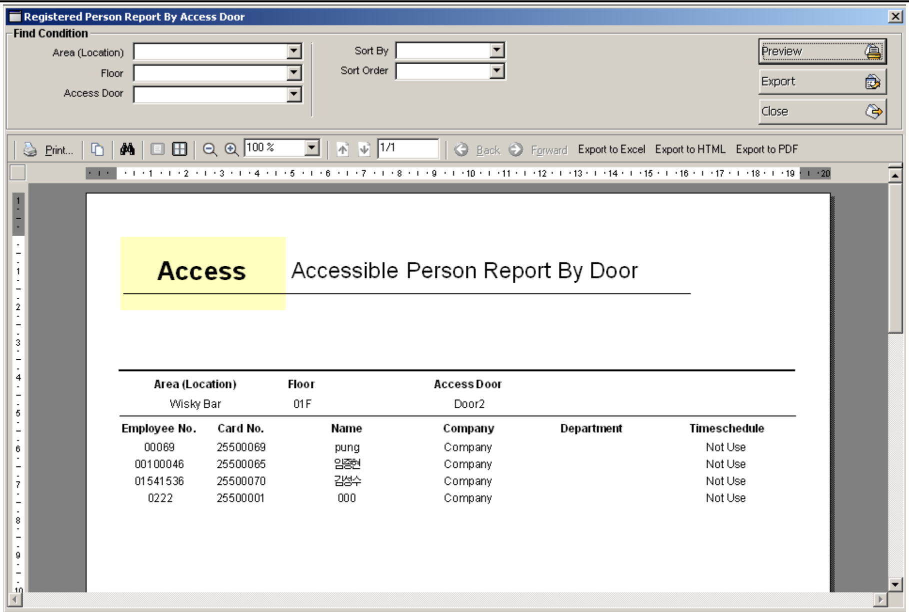
  It will print out Registered Person Report By Access Door.



1) Input Date (From), Date (To), and time period for each date.

2) Select other items as appropriate.

3) Select Print button. If data is found, it will display how it will look when printed. The following screen will appear.



4) To obtain print out of this screen, select the Print button located in the top left hand side.

Chapter 6

Time & Attendance

STARWATCH Program Time/Attendance

This chapter explains STARWATCH program Time/Attendance in details.

Time/Attendance

Time/Attendance contains basic data configuration to create each individual time and attendance information. You can make inquiries to retrieve the information.
You must configure this function to use Time/Attendance.

Work Time Definition

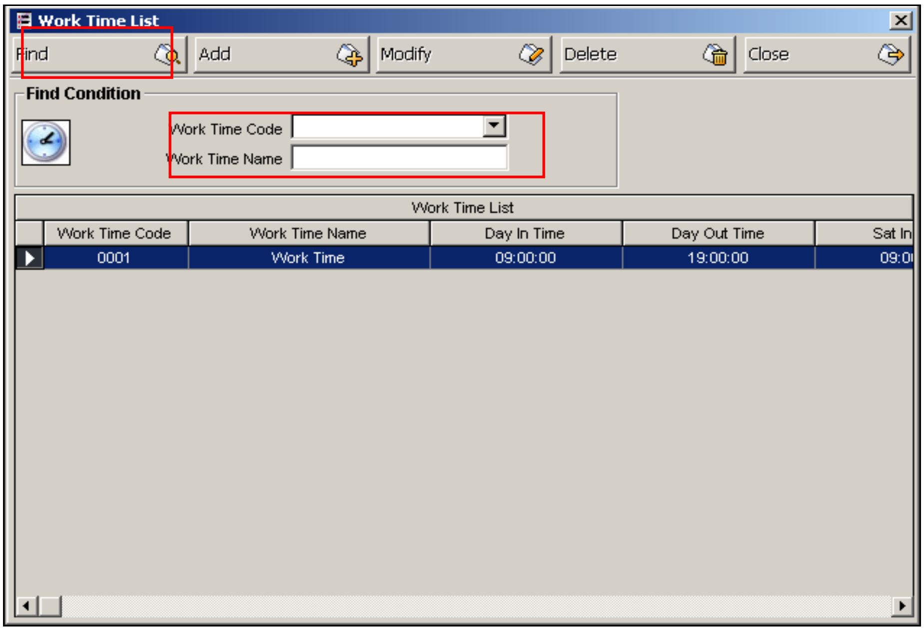
For Work Time Definition, work code is created to configure daily attendance, Saturday attendance, lunch hour, extension start hour, and next day standard hour.

- Start

  Select Time/Attendance->Work Time Definition or press shortcut key Shift + F2.

- Find

Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data.



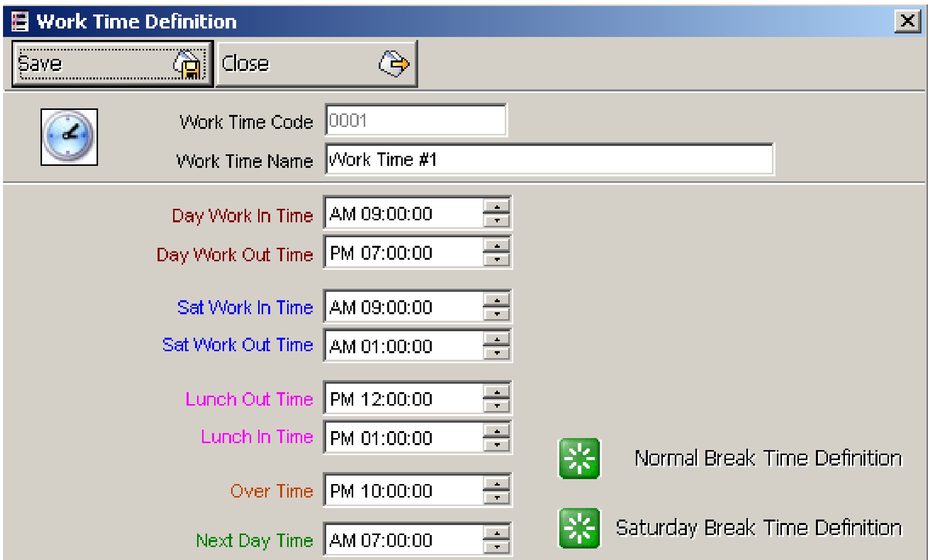
1) Select the Work Time Code and input Work Time Name.

2) Select Find to make an inquiry. If inquired result is available, the following screen appears.

■ Add

Add is used to create new data. Select Add button to add work time through input screen.

1) The following screen appears after selecting Add.



2) Input Work Time Code (It must not be duplicated)

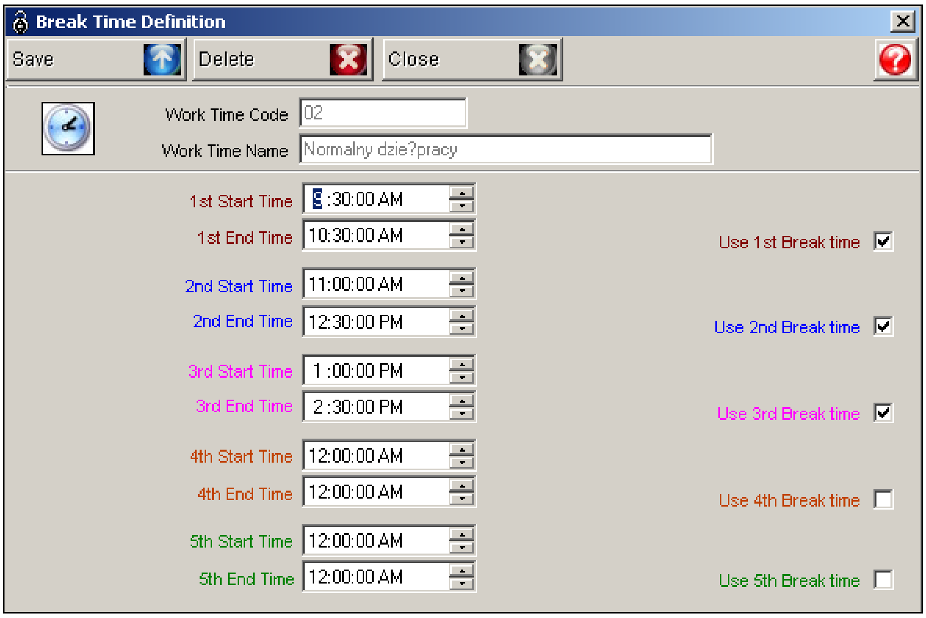
3) Input Work Time Name.

4) Configure each Time.

Overtime is described as work performed after end of work schedule.

5) Once input is completed, select Save button to save data.

6) Select Day Work Break Time Definition button.

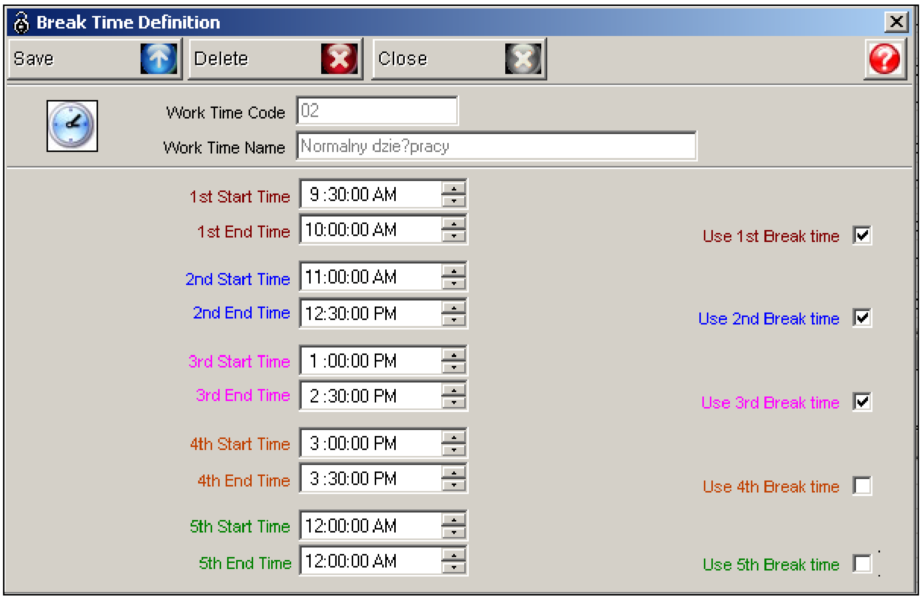


7) The Work Time Code and Work Time Name cannot be changed. Configure each Time.

If you want to calculate a break time, check each break time use option.

8) Once input is completed, select Save button to save data. Select Close button.

9) Select Saturday Work Break Time Definition button.



10) The Work Time Code and Work Time Name cannot be changed. Configure each Time.

If you want to calculate a break time, check each break time use option.

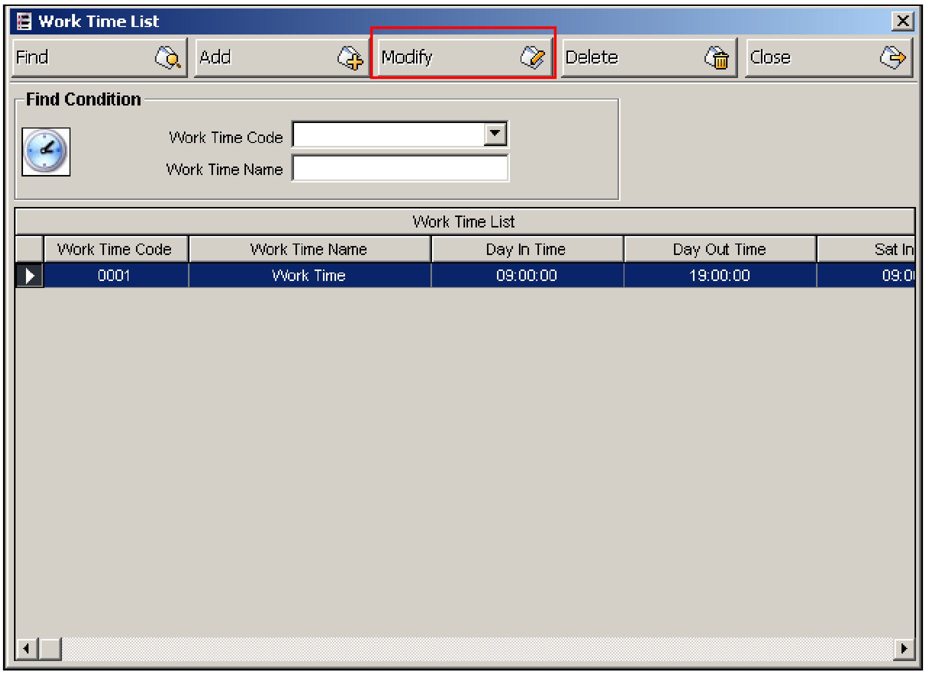
11) Once input is completed, select Save button to save data. Select Close button.

12) Select Close button to finish the Work Time Definition.

- Modify

Modify is used to change existing data. Find data to modify or to change registered work time category.

Selected data is displayed as below figure in highlighted bar.



1) Select Modify to see the above screen. The Work Time List contains the same data as the Add screen. Therefore, the Work Time Code cannot be changed.

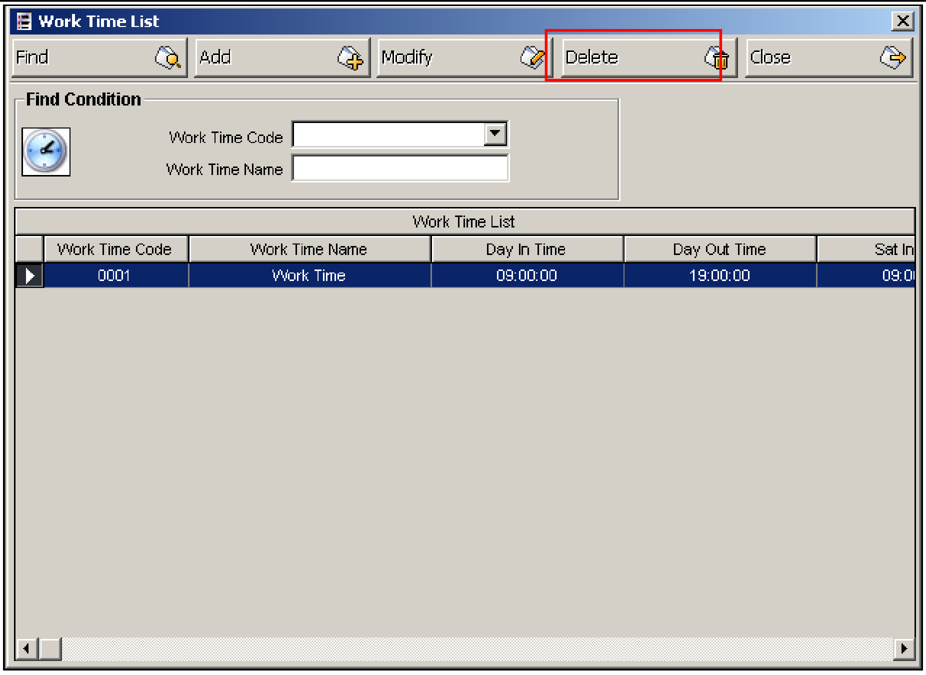
2) Modify the setting.

3) Select Save button to save the modified information. Select Close button to finish.

- Delete

Delete is used to delete existing data.

Selected data is displayed as below figure in highlighted bar.



1) Select Delete button. The screen below will appear. Select Yes button to delete or No button to cancel.



Work Holiday Definition

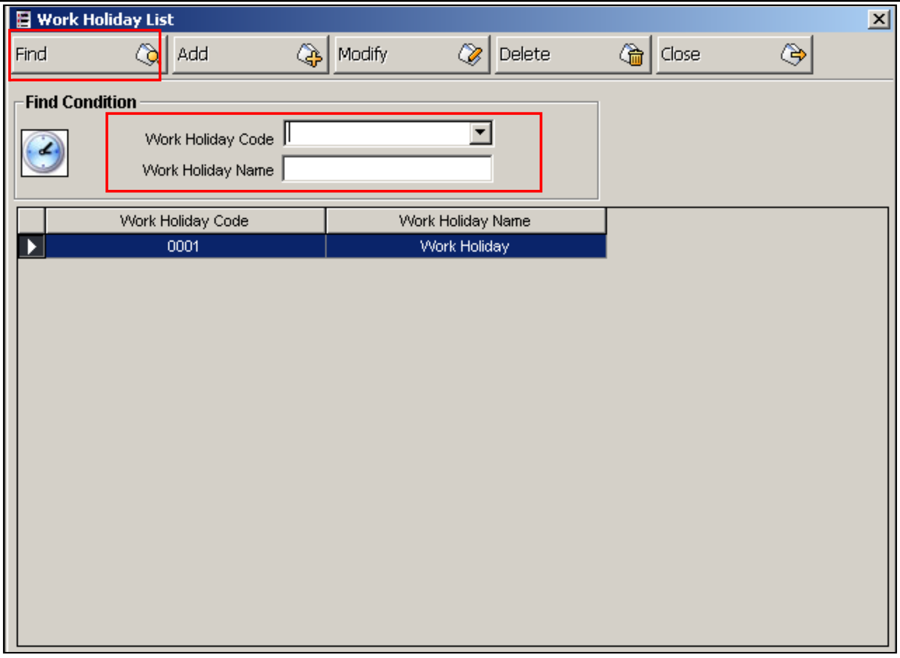
Work Holiday Definition function configures work holiday to exclude from total attendance calculation.

- Start

  Select Time/Attendance->Work Holiday Definition or press shortcut key Shift+F3.

- Find

  Find is used to get relevant information pertaining to the inquiry when information is available. It is used to modify and delete the existing data.

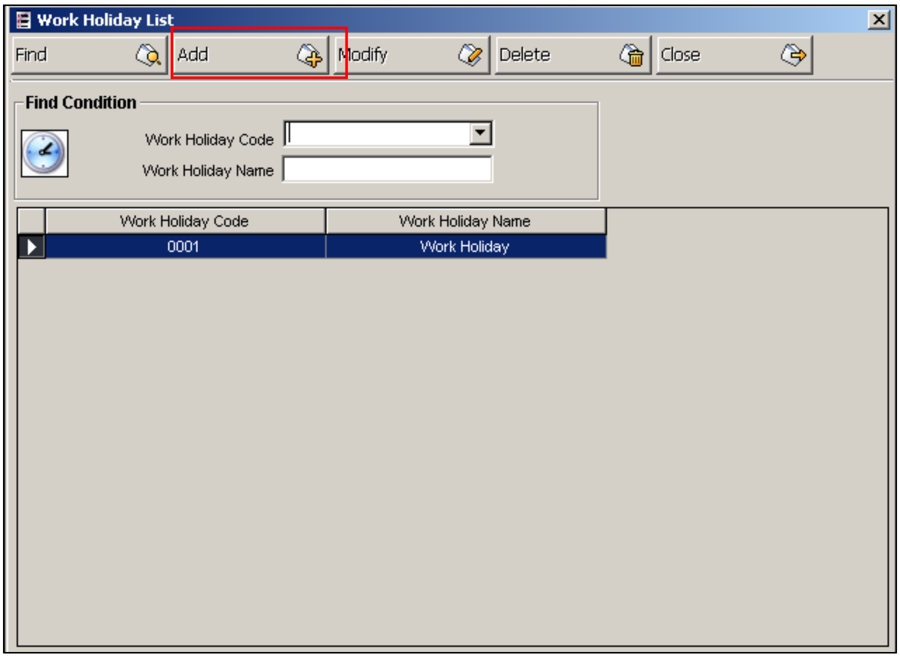


1) Select the appropriate Holiday Code and Holiday Name.

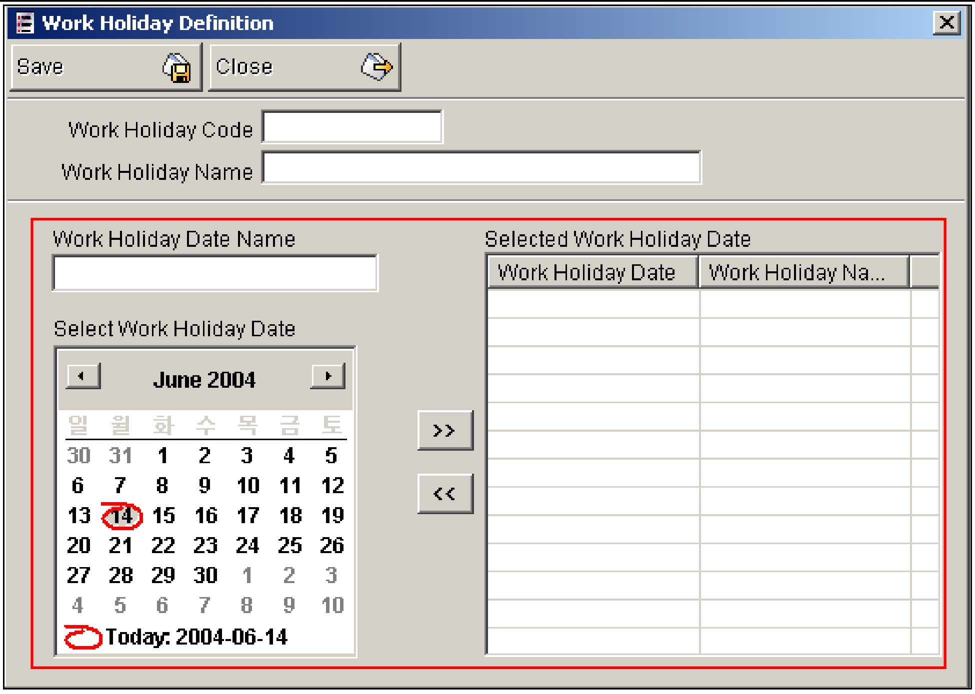
2) Select Find to make an inquiry. If inquired result is available, the following screen appears.

■ Add

Add is used to create new data. Select Add button to add work holiday through input screen.



1) The following screen appears after selecting Add.

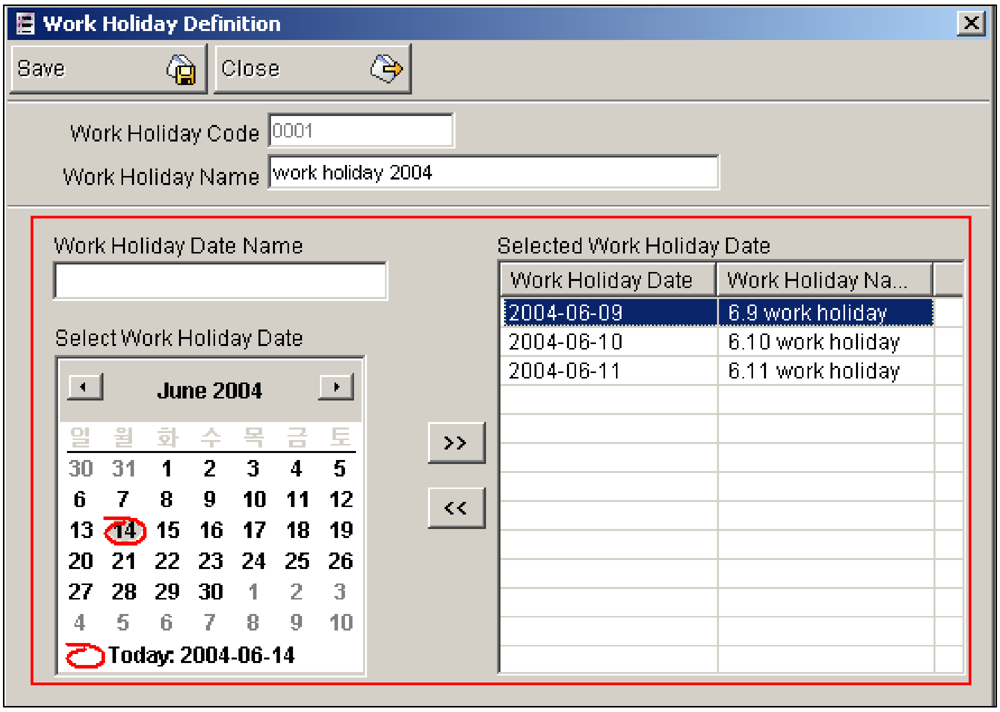


2) Input Work Holiday Code. (It must not be duplicated)

3) Input Work Holiday Name.

4) Input Work Holiday Date Name.

5) Select the work holiday date twice or select the date then press >> button.



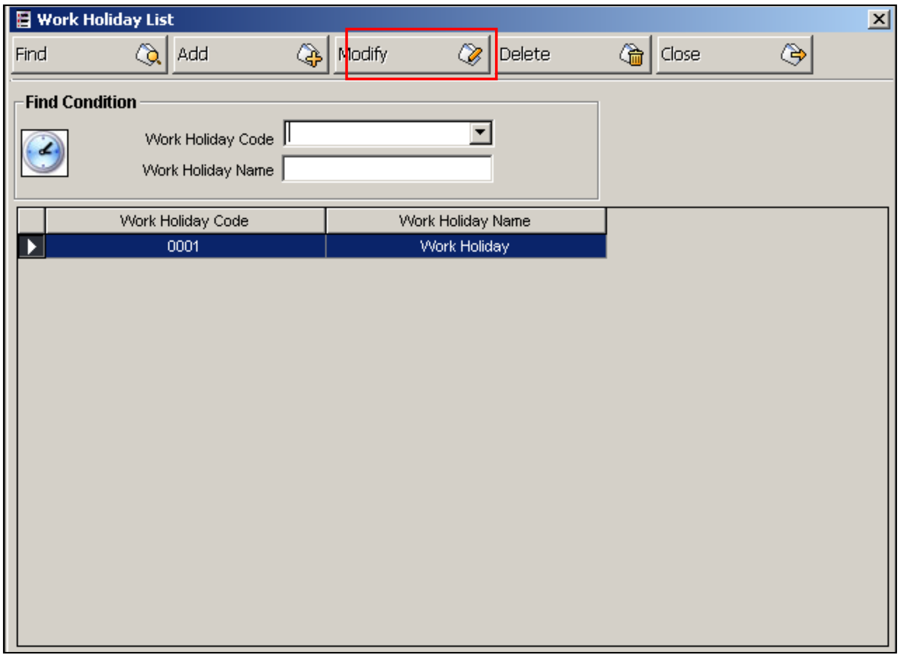
6) From the Selected Work Holiday Date list, delete the date by double clicking or selecting date and selecting << button.

7) Select Save button to save data, and select Close button to finish.

- Modify

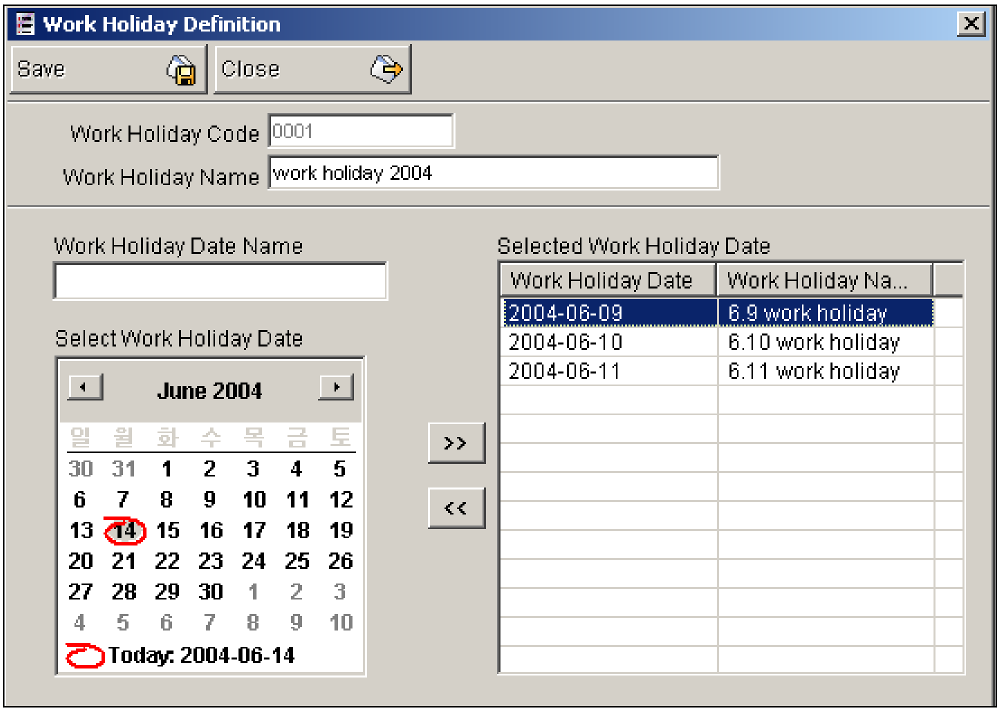
Modify is used to change existing data. Find data to modify or to change registered work holiday category.

Selected data is displayed as below figure in highlighted bar.



1) Select Modify button.

2) Select Modify to see the following screen. The Work Holiday screen contains the same data as the Add screen. Therefore, the Work Holiday Code cannot be changed, except the holiday date included in selected holiday code.



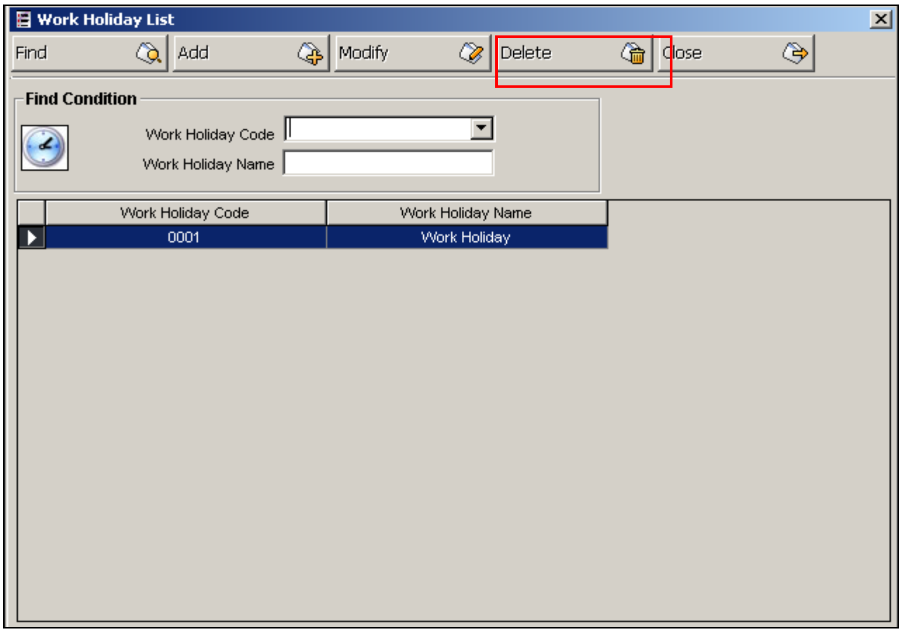
Modify the items to be changed.

3) Select Save button to save data, and select Close button to finish.

■ Delete

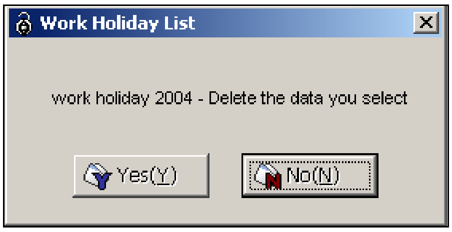
Delete is used to delete existing data. Find data to delete or to delete registered work holiday list data.

Selected data is displayed as below figure in highlighted bar.



.

1) Select Delete button. The screen below will appear. Select Yes button to delete or No button to cancel.



Work Type Definition

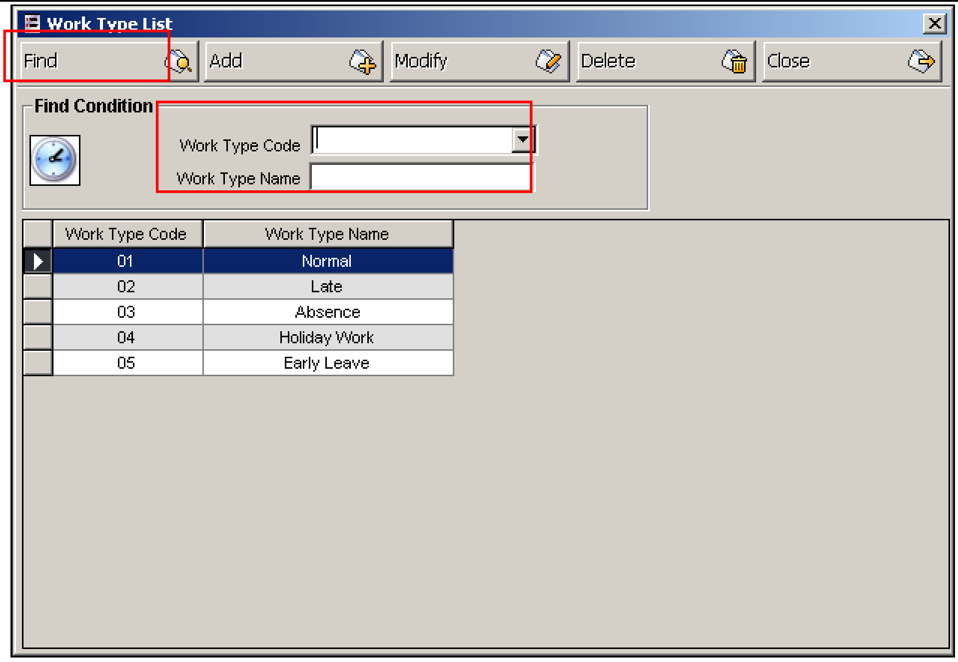
Work Type Definition configures late, leaving early, absence, business trip into work type code.

■ Start

Select Time/Attendance->Work Type Definition or press shortcut key Shift+F4.

■ Find

Find is used to get relevant information pertaining to the inquiry when information is available. It is used to modify and delete the existing data information.



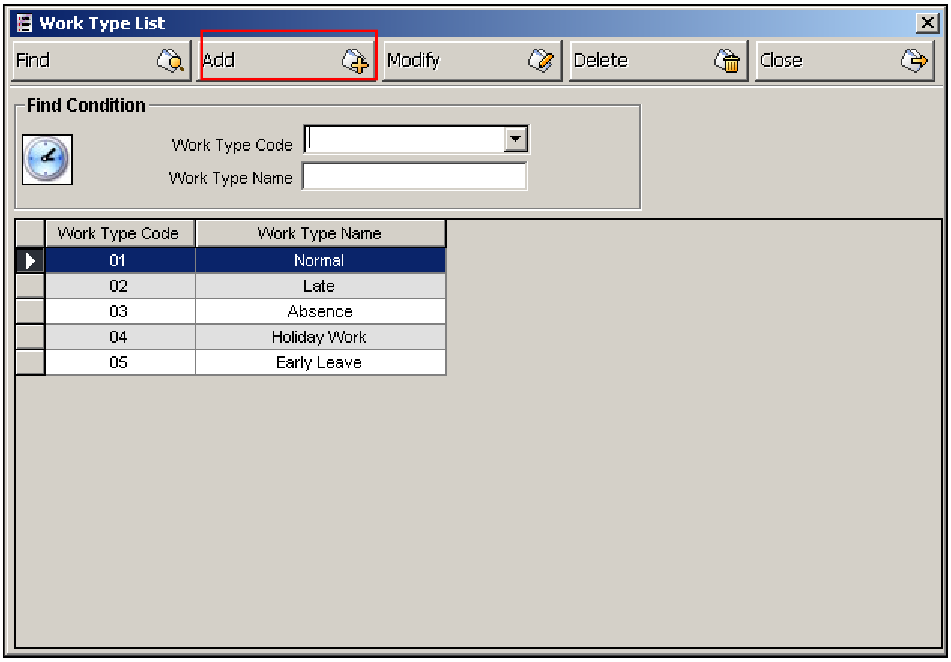
1) Select the appropriate Work Type Code and Work Type Name.

2) Select Find to make an inquiry. If inquired result is available, the following screen appears.

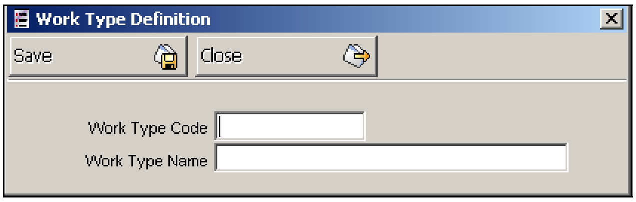
If find has no specific parameters, it will display the entire information.

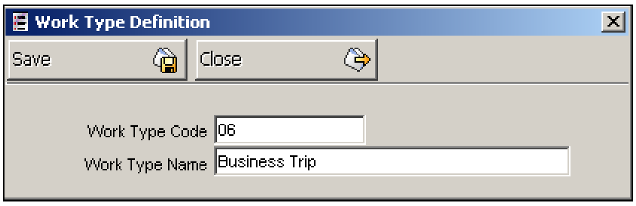
■ Add

Add is used to create new data. Select Add button to add work type data through input screen.



1) Select Add button and the following screen appear.





2) Input Work Type Code.

3) Input Work Type Name.

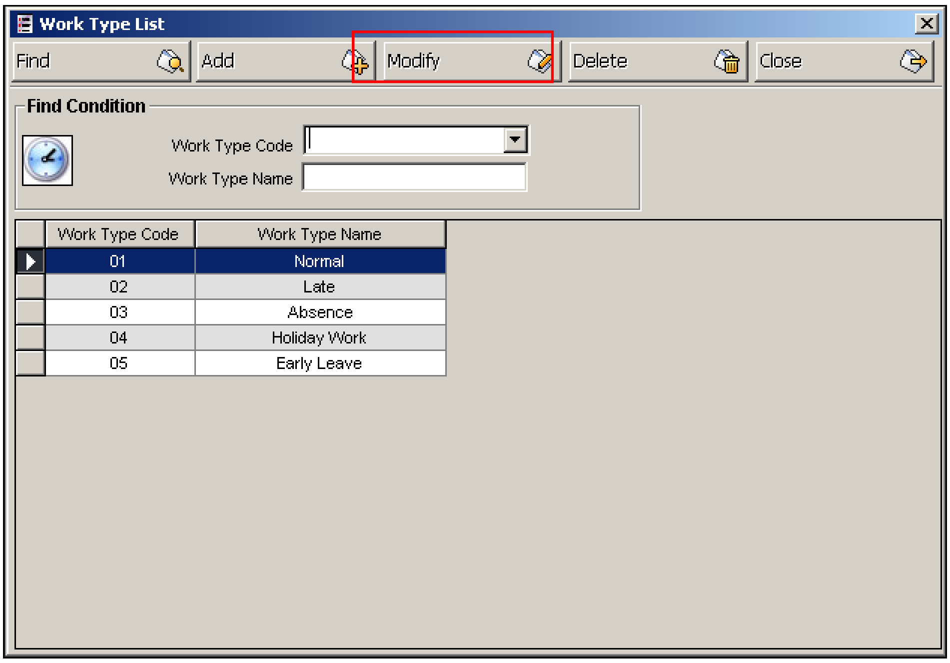
4) Select Save button to save data.

5) Select Close button to finish.

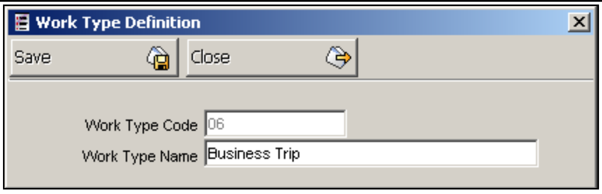
■ Modify

Modify is used to change existing data. Find data to modify or to change registered work type list.

Selected data is displayed as below figure in highlighted bar.



1) Select Modify to see the following screen. The Work Type Definition screen contains the same data as the Add screen. Therefore, the Work Type Code cannot be changed.



2) Modify Work Type Name.

3) Select Save button to save data.

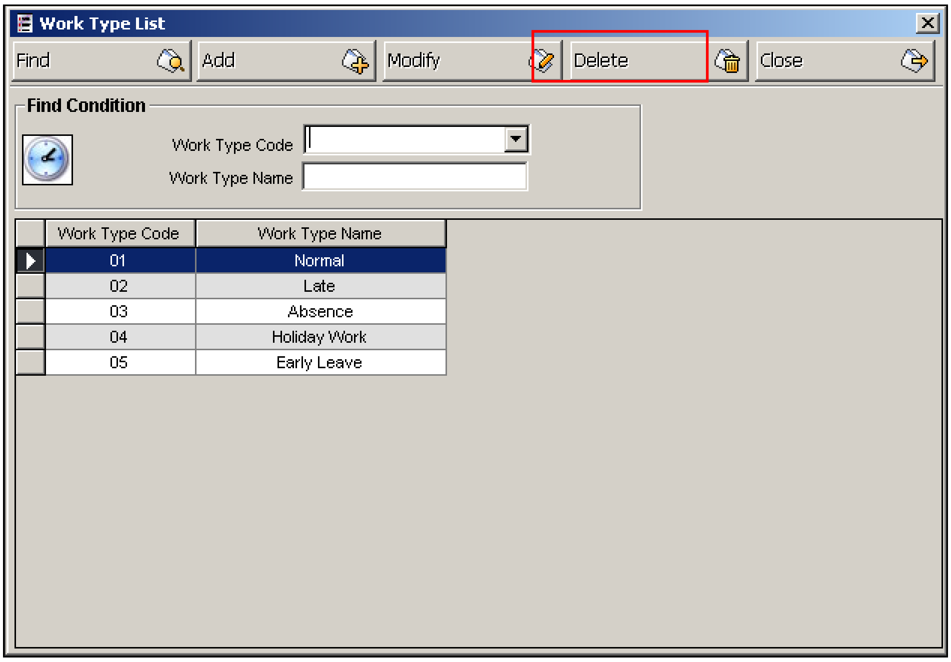
4) Select Close button to finish.

> *Work Type Code 01, 02, 03, and 04 is configured as default value for Normal, Late, Absence, and Holiday work. This value cannot be modified or deleted.*

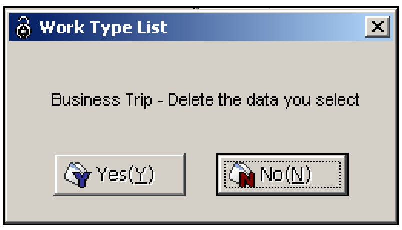
■ Delete

Delete is used to delete existing data. Find data to delete or to delete registered work holiday list data.

Selected data is displayed as below figure in highlighted bar.



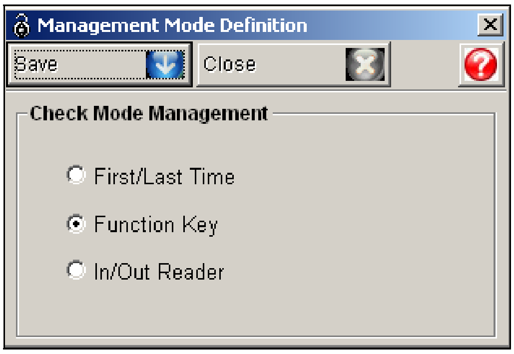
1) Select Delete button. The screen below will appear. Select Yes button to delete or No button to cancel.



Time / Attendance Option Definition

To manage Time & Attendance, the Time & Attendance Definition must be registered.

- Management Mode Definition.



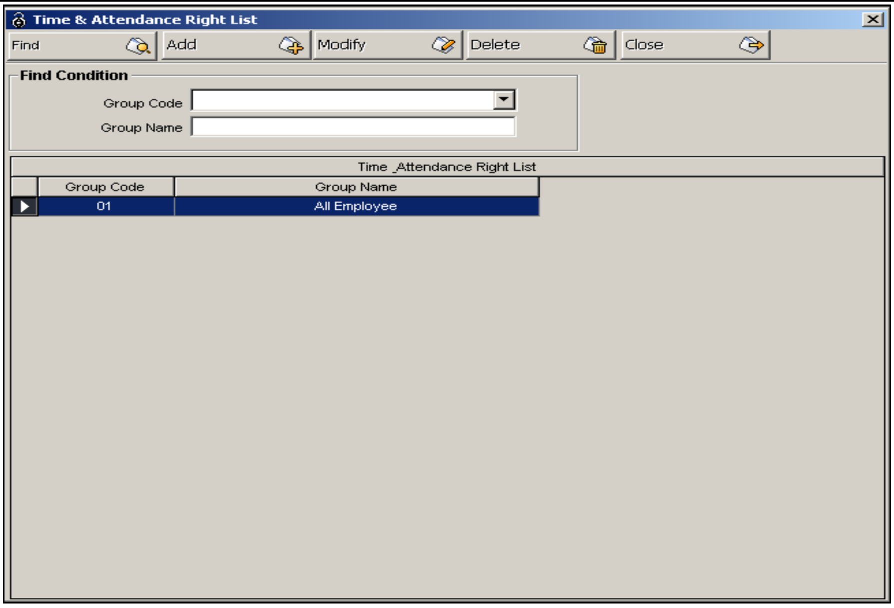
1) Select Check Mode Management to manage the Time & Attendance.

If you select the First/Last time, Time & Attendance is only calculated by first/last time. In other words, the first time is the work-in time based on Work time. At selecting the Function key, Time & Attendance is calculated by set value of function key. If F1 is set by Work-In, Work-In Time is the first time using F1 and if F2 is set by Work-Out, Work-Out Time is the last time using F2. If you select the In/Out Reader, Work–In time is the first time read IN reader. And Work-Out time is the last time read OUT reader.

In case of Break Time management function, in that case you have to use Function key mode. And also you need to define each function key using Function Key Definition windows. Normally F1 is Work In, F2 is Work out, F3 is Break Start and F4 is Break End.

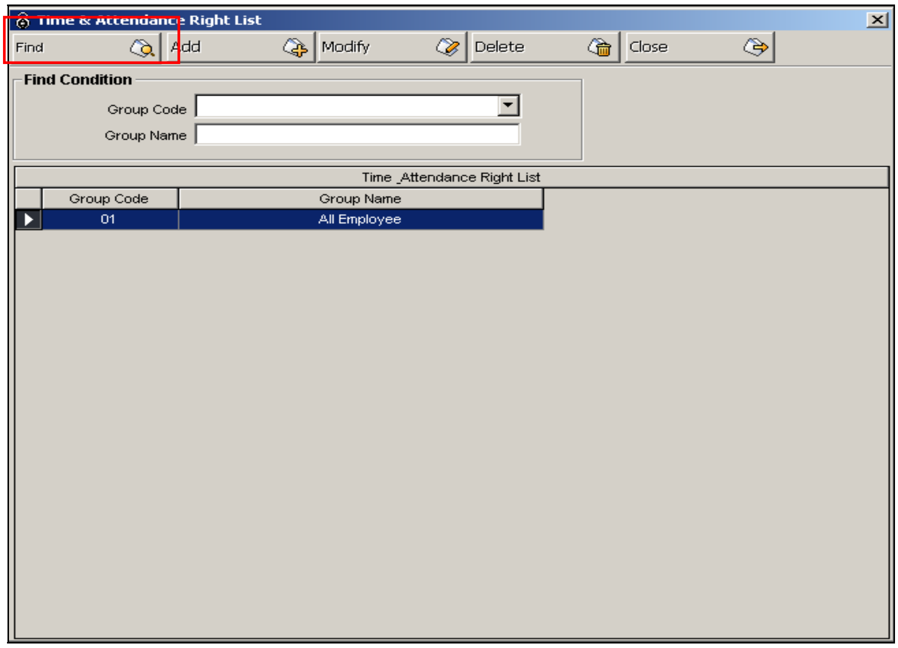
- Reader Option

1 Time & Attendance Group is managed by Work Team. So, calculate Time & Attendance using Event data through reading readers included Time & Attendance Group.



◆ Find

Find is used to get relevant information pertaining to the inquiry when information is available. It is used to modify and delete the existing data.

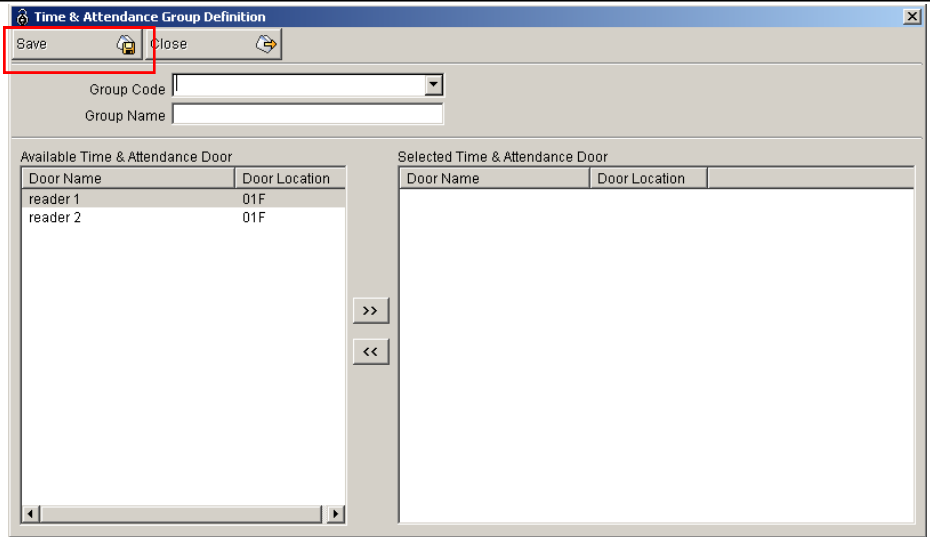


1) Input Group Code and Group Name as appropriate.

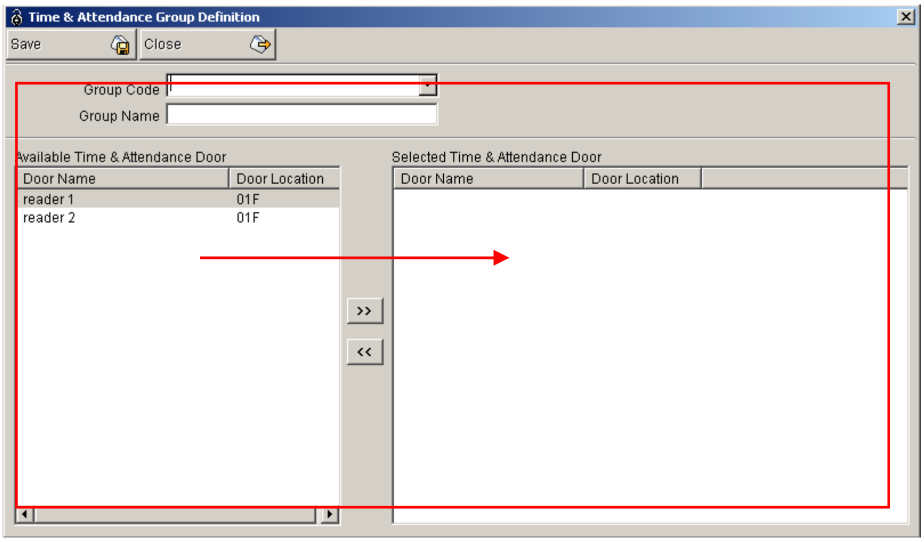
2) Select Find to make an inquiry. If inquired result is available, the following screen appears.

◆ Add

Add is used to create new data. Select Add button to add Time & Attendance Group through input screen.



1) The following screen appears after selecting Add.



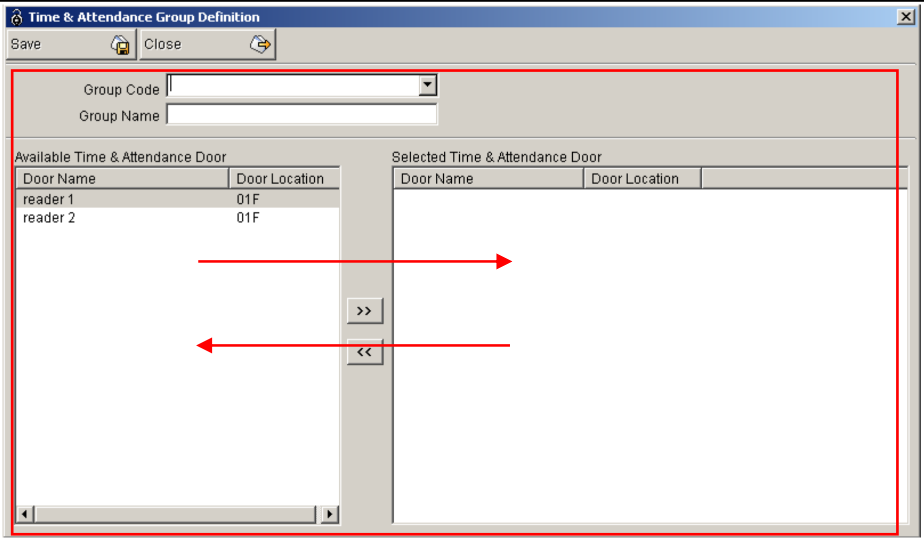
2) Input Group Code. Do not overlap this code.

3) Input Group Name.

4) Double click the Time & Attendance Door from Available Time & Attendance Door List, or select >> button to register.

5) Repeat the above method to register additional Time & Attendance Group.

Cancel Time & Attendance Door by double clicking on selected door or select << button.

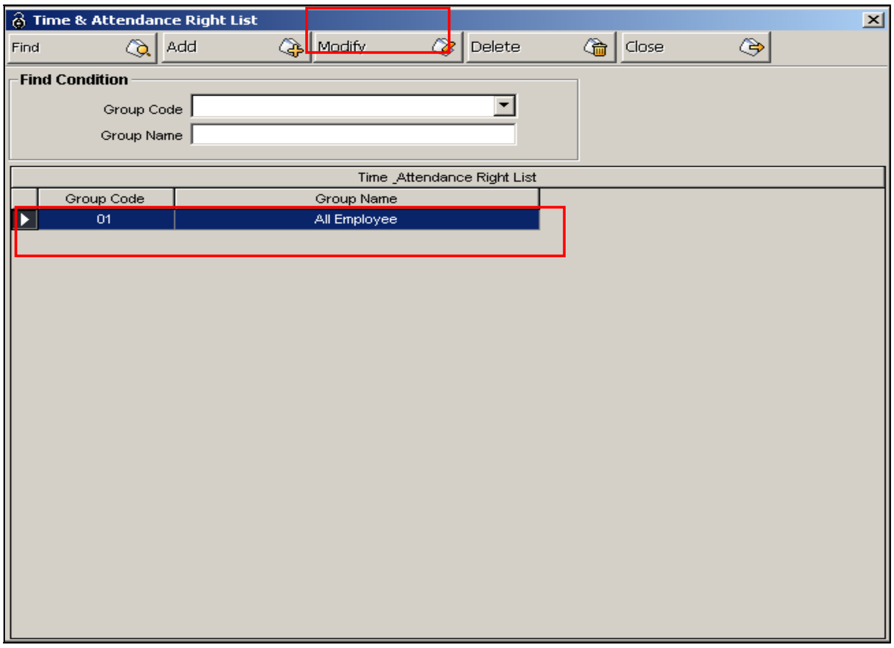


6) Select Save button to save data, and select Close button to finish.

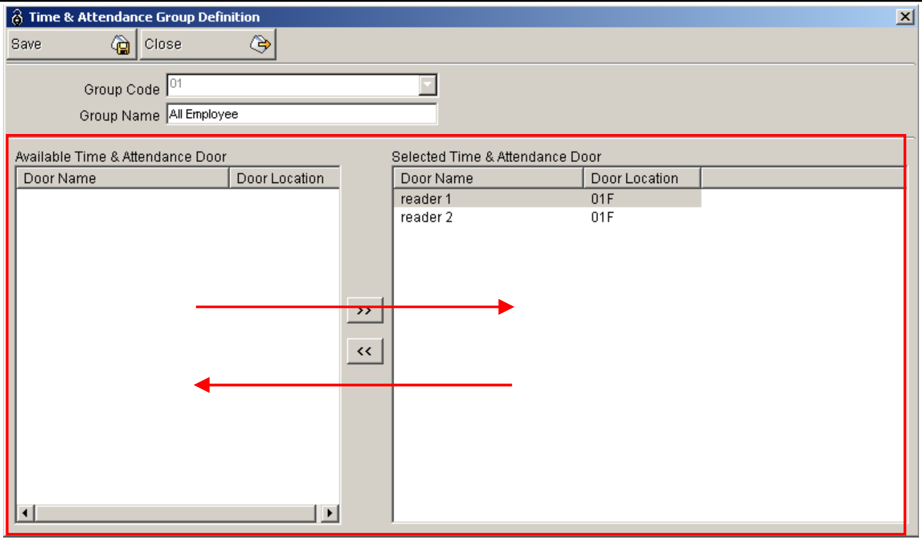
◆ Modify

Modify is used to change existing data. Find data to modify or to change registered group category.

Selected data is displayed as below figure in highlighted bar.



1) Select Modify to see the following screen. The Access Group is equal to registration screen. Therefore, the Access Group Code cannot be changed.



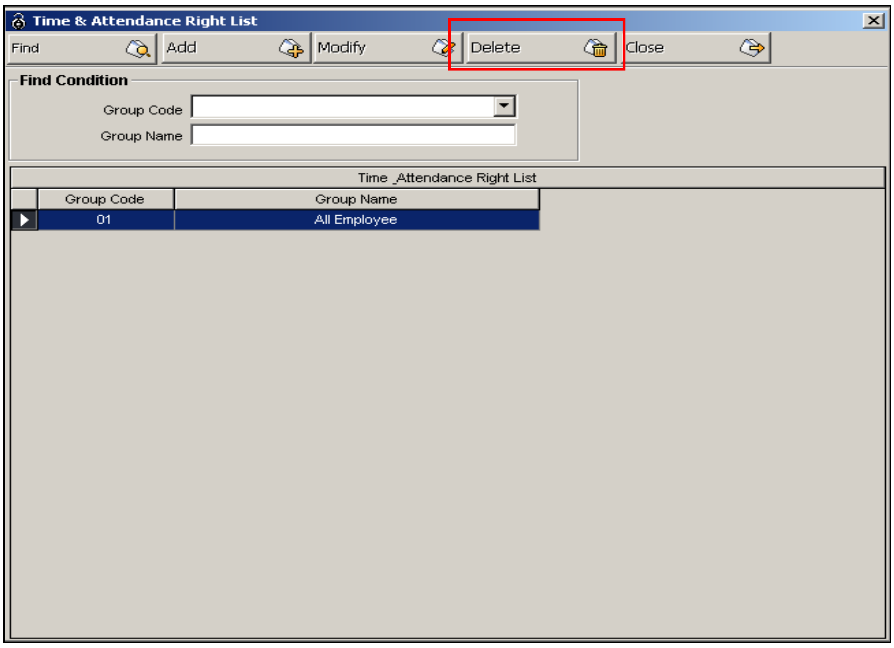
2) Modify the items that need changing.

3) Select Save button to save the modified information. Select Close button to finish.

◆ Delete

Delete is used to delete existing data. Find data to delete or to delete registered content data.

Selected data is displayed as below figure in highlighted bar.

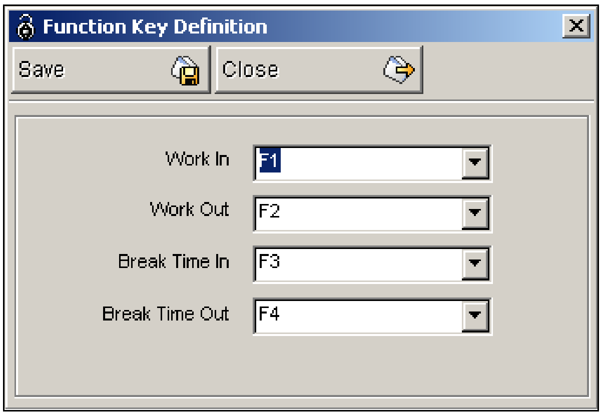


1) Select Delete button. The screen below will appear. Select Yes button to delete or No button to cancel.



- Function Key Definition

Define the value of Function Key.



This value is used when Time & Attendance is calculated by function key.

Daily Data Management

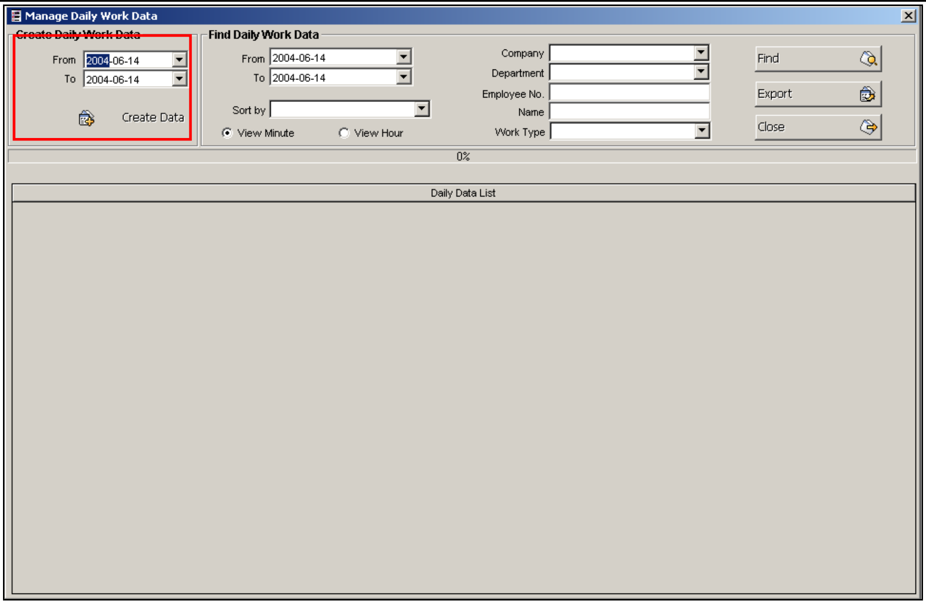
Daily Data Management creates data from individually configured work time and work holiday using present normal access event data. This is called daily end data.

- Start

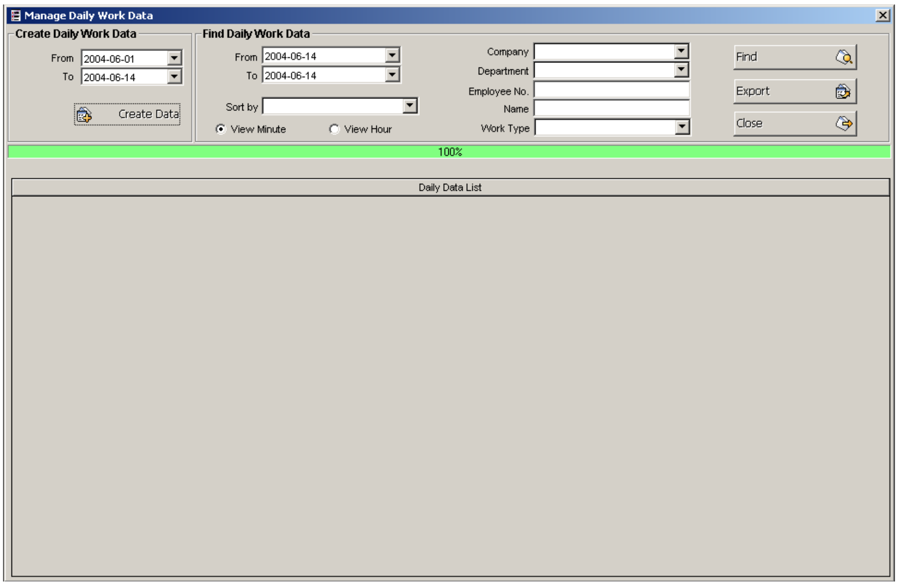
Select Time/Attendance->Daily Data Management or press shortcut key Shift+F5.

- Create Work Data

Create Work Data creates data from individually configured work time and work holiday using normal access event data. The created data is differentiated from normal access event, and saved as a separate data.



1) Select the From/To date for creating work data.



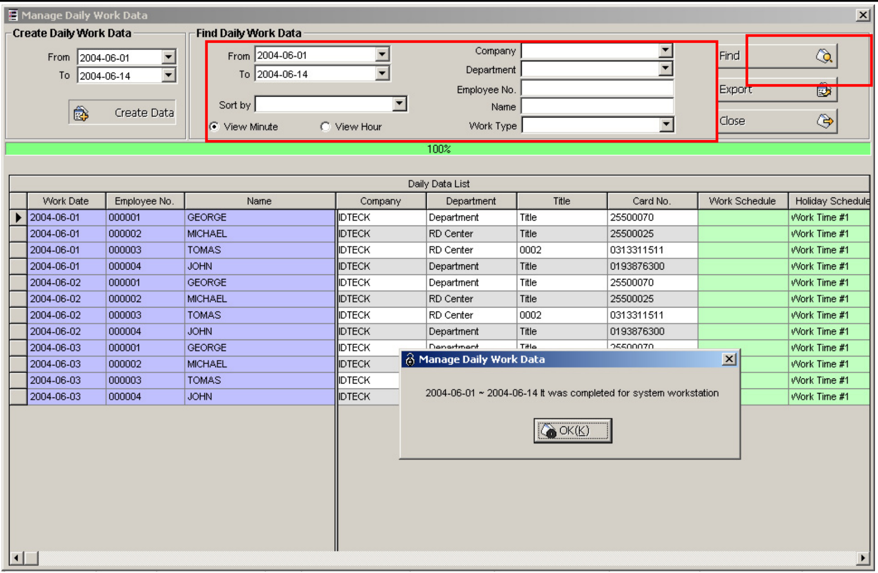
2) Select Create Data button to begin work data.

If there is no data, it will display a message as no data. If there is data, a progress bar is shown in relation to data creation progress.

3) Once completed, select OK button to finish data creation.

■ Find Daily Work Data

Find Daily Work Data is used to get relevant information pertaining to the inquiry when information is available. It is used to modify existing data information to send out, or when incorrect attendance data is found.



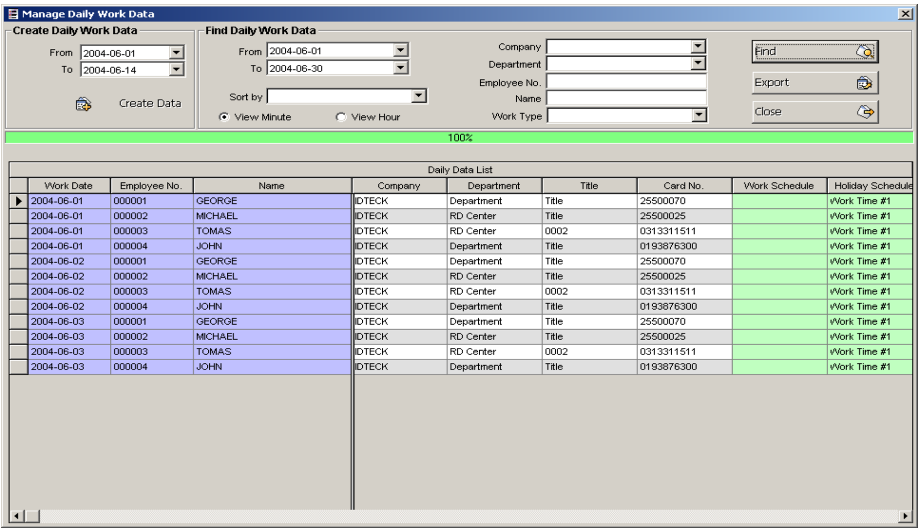
1) Select the From/To date for creating work data.

2) Sort by date, company, department, employee ID, name, and attendance type as appropriate.

3) Select view format.

4) Select as View Minute or View Hour to see late, absence, overtime, and special duty by attendance type.

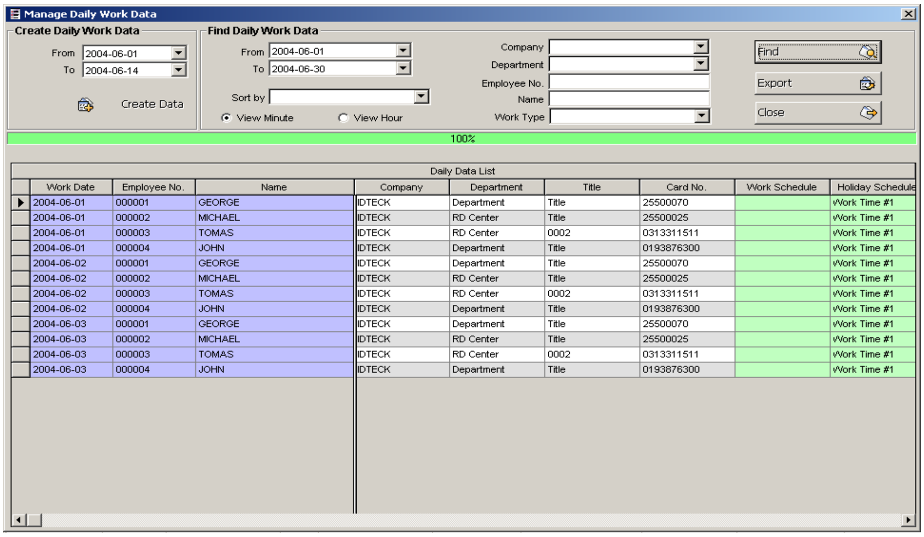
5) Select Find to make inquiry. If result is found, the data is displayed.

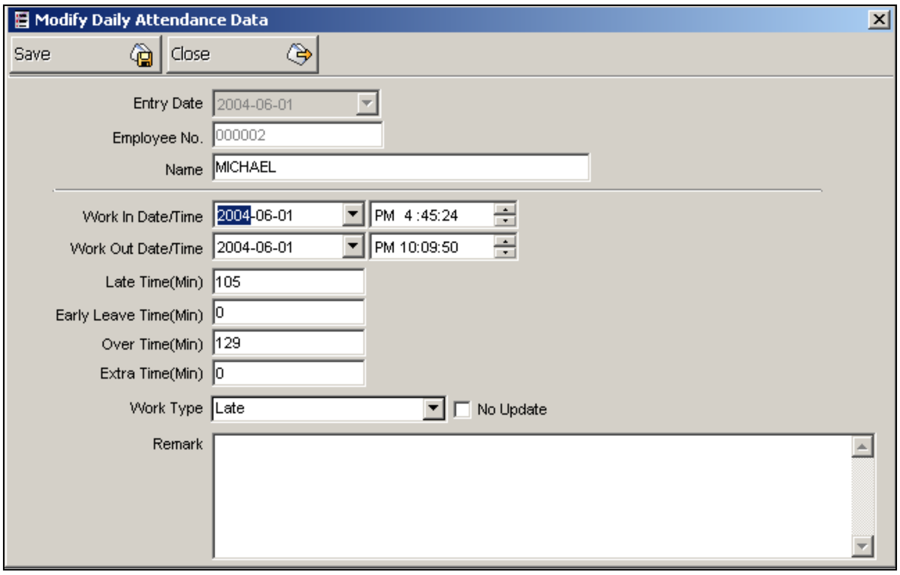


■ Abnormal Attendance Data Modification

After performing work data, you can check the daily attendance result by inquiry. If modification is needed, double click the result to open the modification screen.

1) Select the data to be modified with 2 selects on a mouse. It will activate the screen below.





2) Entry Date, Employee ID, and Name cannot be modified. Work IN Date/Time, Work OUT Date/Time, Late, Early Leave, Overtime, Extra Time, and Work Type can be modified.

3) If No Update is selected, the work data performed once more will not update the modified data.

4) If modification is completed, select Save button to save data.

5) Select Close button to finish.

If the work-closing will be updated, event data is resorted by time & attendance setting value. But this will be available to update for event data when the modification date is the same of original entry date, otherwise it can not be update if the user check for invalid update when the all data closing.

If modifying attendance data, you need to find the data results in minutes. Otherwise, the data results in hour cannot be modified. Find the data results in minutes to allow modification to the attendance data.

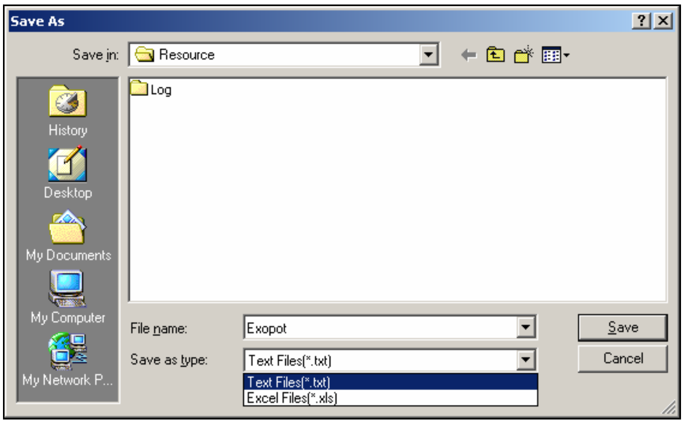
Monthly work data uses Daily work data as basis. If daily work data is modified, it will reflect to monthly work data.

- Export

This function sends out work data as text file or Excel file format. The files exported can be used in other attendance and wage programs, or connected to an ERP system to be used efficiently.

1) Select Find button to make inquiry.

2) Select Export button and the following screen appear.



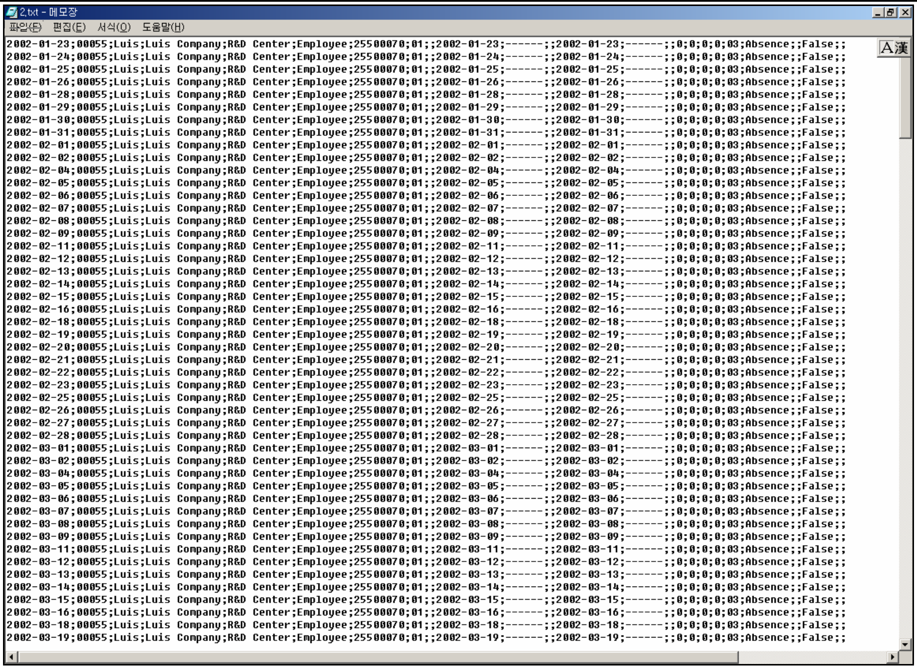
3) Designate folder to save into.

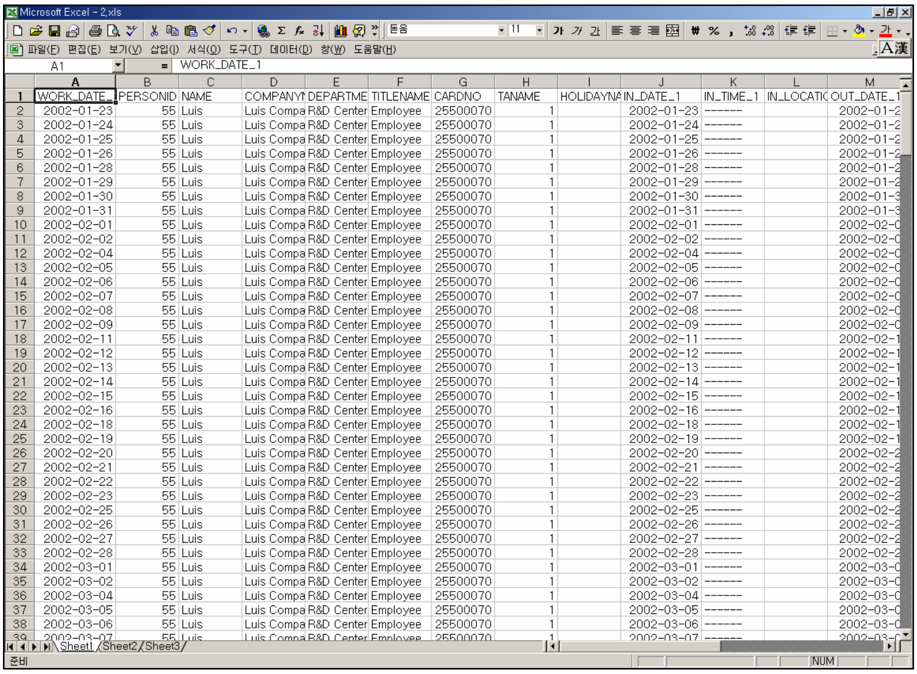
4) Input file format.

5) Select text file or Excel file for export format.

6) Select Save button to save file.

If text file is selected for export, the following screen appears.





Monthly Data Management

Monthly Data Management uses work data as basis to get total of individual type monthly attendance data.

- Start

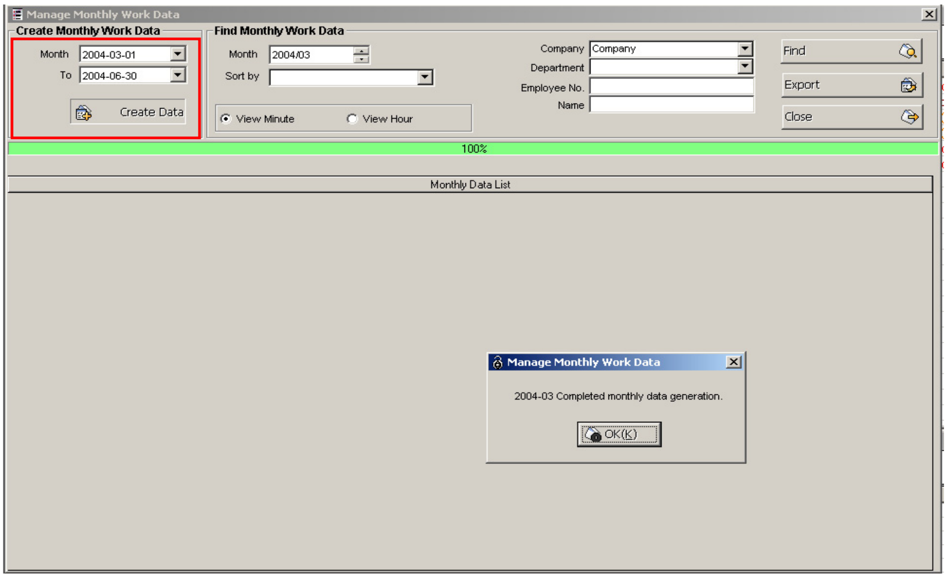
  Select Time/Attendance->Monthly Data Management or press shortcut key Shift+F6.

- Create Data

  Work data is used as basis to create Monthly Work Data. Work data's monthly total data is created by individual type monthly total data.

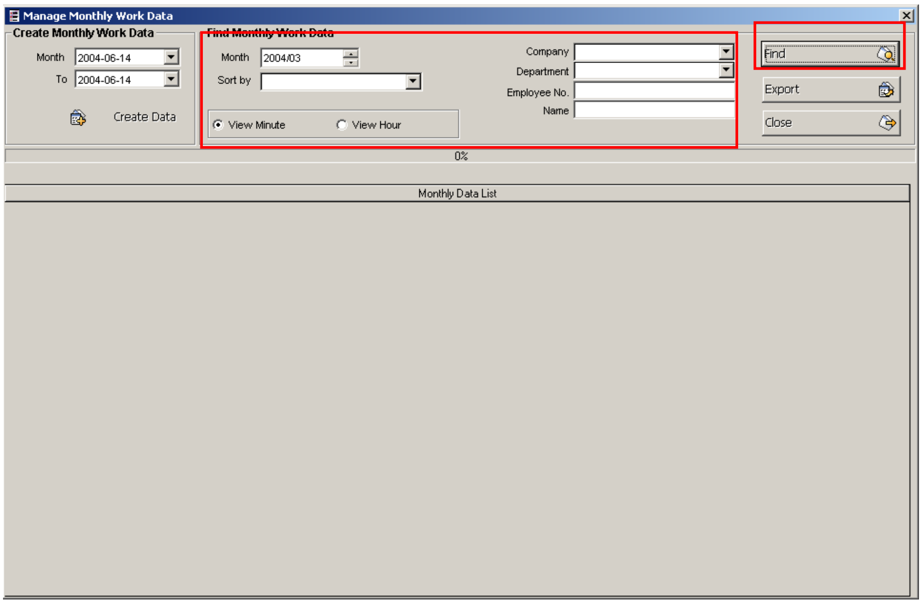
1) Select Monthly Work Data. This data is calculated using time attendance option configuration as basis. If configuring date as 25th end date, it will calculate from last month 26th up to selected month of 25th as end date.

2) Select Create Data button begin data creation.



■ Find Monthly Work Data

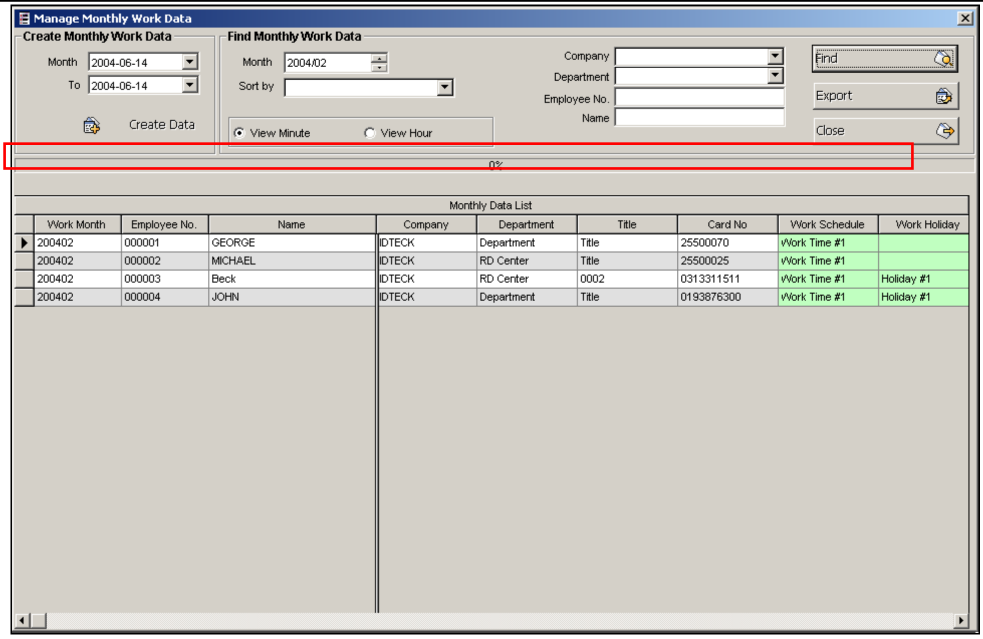
This is used to find data created in Monthly Work Data.



1) Select Month, Company, Department, Employee ID, and Name as appropriate.

2) Select view option as View Minute or View Hour.

3) Select Find button to begin Monthly Work Data inquiry. If data is found, it will display in the screen.



- Exporting Monthly Work Data

  Monthly Work Data can be exported in same manner as Work Data. It can be sent as text file or Excel file to be used in other programs.

Annual Data Management

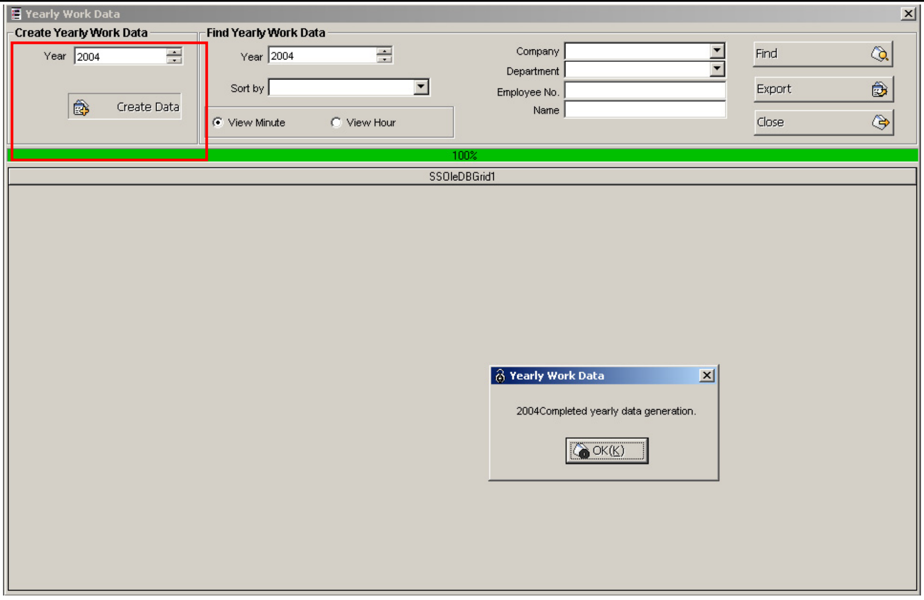
Annual Data Management uses Monthly Data as basis to calculate total annual time attendance data for data creation. Data to be created is agreed with Monthly Data.

- Start

  Select Time/Attendance->Annual Work Data or press shortcut key Shift+F7.

- Create Data

  Monthly data is used as basis for selected year's monthly total data to create time attendance data.

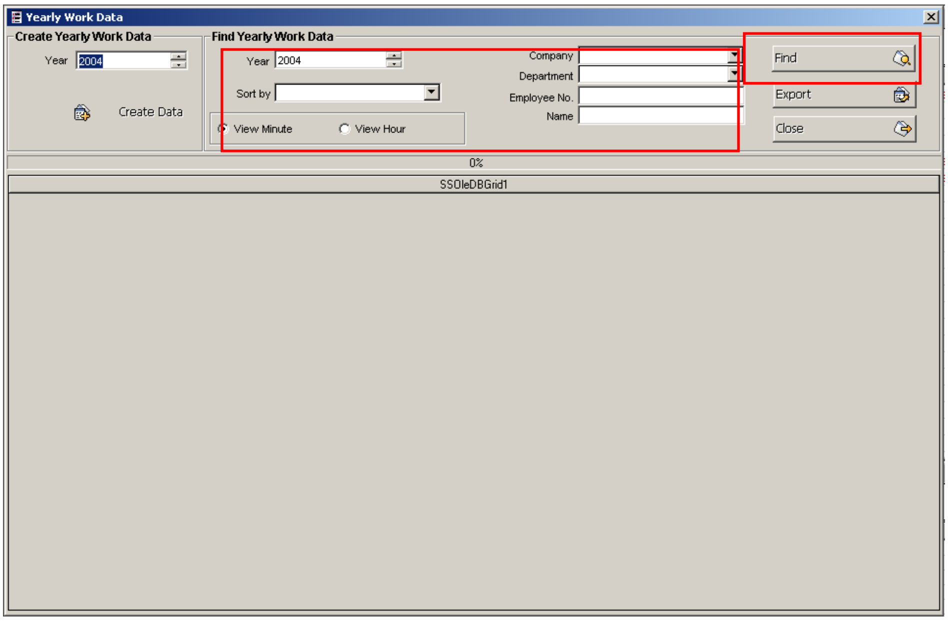


1) Select Year for Annual data.

2) Select Create Data button to begin Annual work data creation.

■ Find Annual Work Data

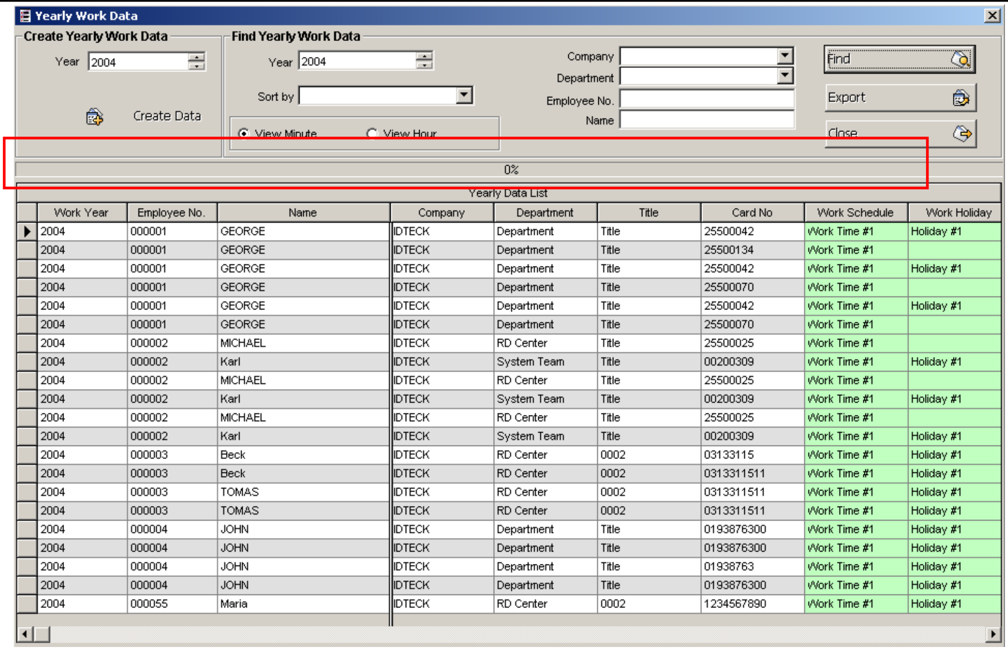
This finds the completed Annual work data through inquiry. It is used to check Annual work data or exporting the data.



1) Select Year, Company, Department, Employee ID, and Name as appropriate.

2) Select view option as View Minute or View Hour, then select Find button.

If data is found, it will display as following screen.



- Exporting Annual Work Data

  Annual Work Data can be exported in same manner as Work Data. It can be sent as text file or Excel file to be used in other programs.

Break Time Management

To use Break Time Management correctly should use Function key mode. Otherwise, the data may not correct data.

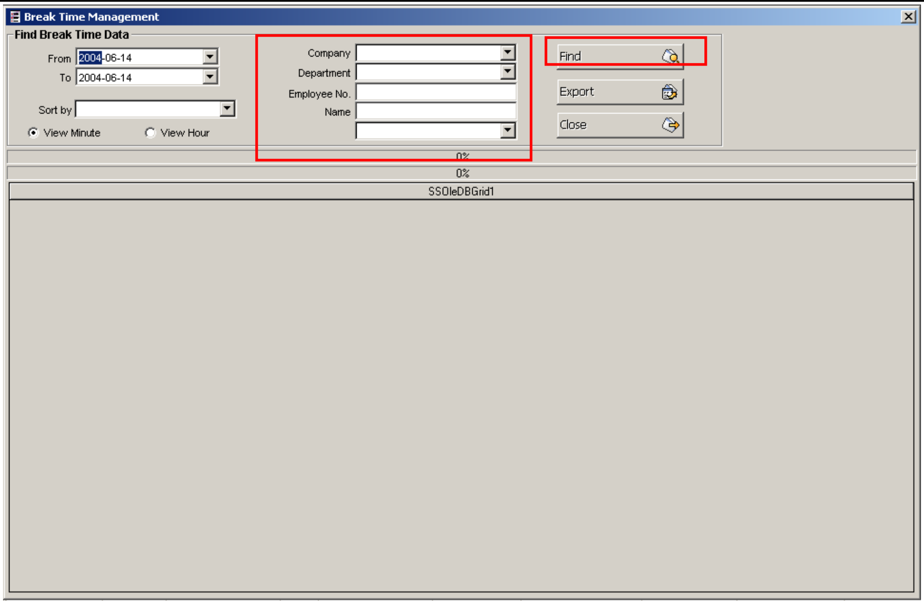
Break Time Management search data from individually configured work time and work holiday using daily end data.

- Start

  Select Time/Attendance->Break Time Management or press shortcut key Shift+F8.

- Find Break Time Data

  Find Break Time Data is used to get relevant information pertaining to the inquiry when information is available. It is used to modify existing data information to send out, or when incorrect break time data is found.



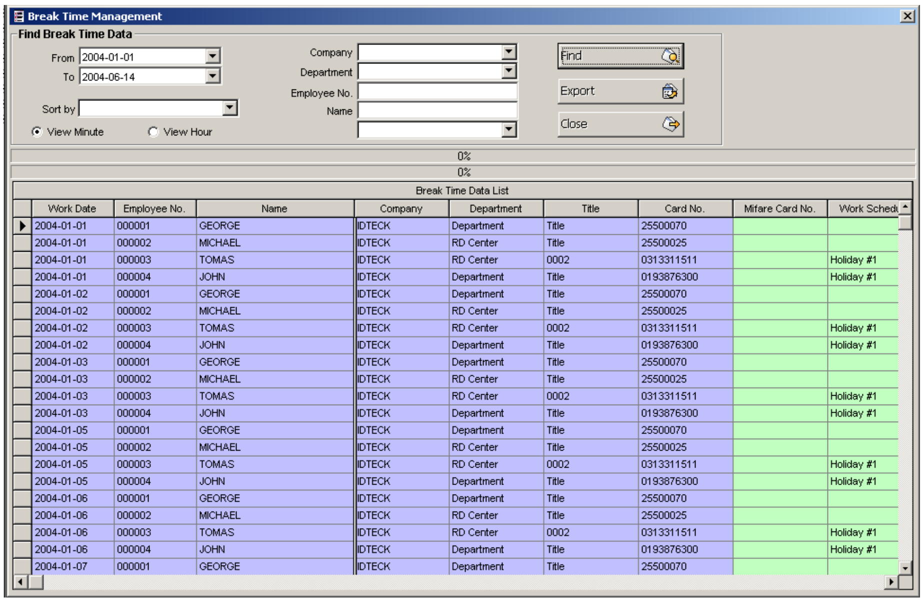
1) Select the From/To date for creating work data.

2) Sort by date, company, department, employee ID, name, and attendance type as appropriate.

3) Select view format.

4) Select as View Minute or View Hour to see 1st Start time, 1st End time, 1st Exception and so on.

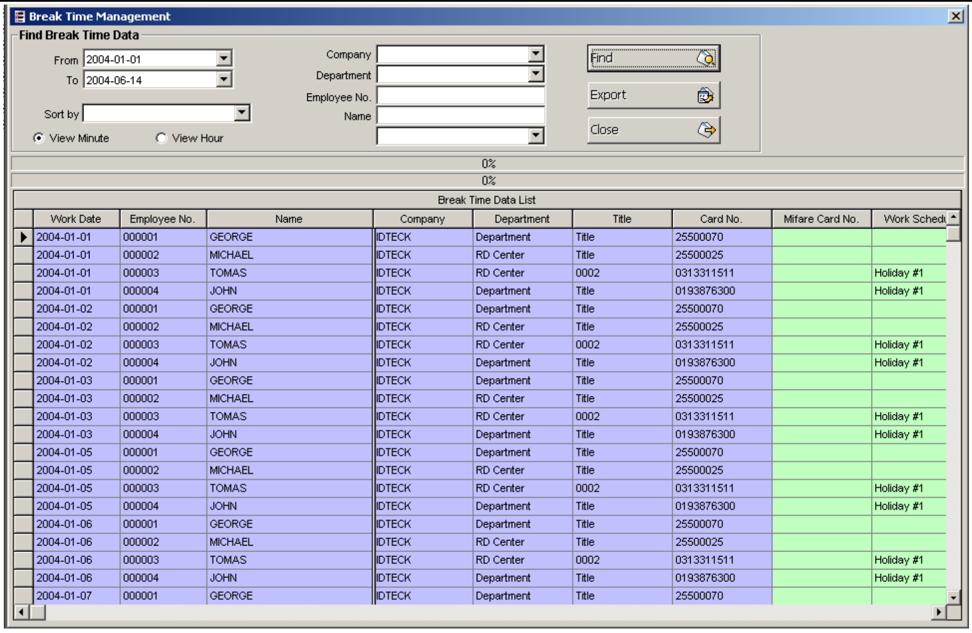
5) Select Find to make inquiry. If result is found, the data is displayed.



Work Date	Employee No.	Name	Company	Department	Title	Card No.	Mifare Card No.	Work Schedu
2004-01-01	000001	GEORGE	IDTECK	Department	Title	25500070		
2004-01-01	000002	MICHAEL	IDTECK	RD Center	Title	25500025		
2004-01-01	000003	TOMAS	IDTECK	RD Center	0002	0313311511		Holiday #1
2004-01-01	000004	JOHN	IDTECK	Department	Title	0193876300		Holiday #1
2004-01-02	000001	GEORGE	IDTECK	Department	Title	25500070		
2004-01-02	000002	MICHAEL	IDTECK	RD Center	Title	25500025		
2004-01-02	000003	TOMAS	IDTECK	RD Center	0002	0313311511		Holiday #1
2004-01-02	000004	JOHN	IDTECK	Department	Title	0193876300		Holiday #1
2004-01-03	000001	GEORGE	IDTECK	Department	Title	25500070		
2004-01-03	000002	MICHAEL	IDTECK	RD Center	Title	25500025		
2004-01-03	000003	TOMAS	IDTECK	RD Center	0002	0313311511		Holiday #1
2004-01-03	000004	JOHN	IDTECK	Department	Title	0193876300		Holiday #1
2004-01-05	000001	GEORGE	IDTECK	Department	Title	25500070		
2004-01-05	000002	MICHAEL	IDTECK	RD Center	Title	25500025		
2004-01-05	000003	TOMAS	IDTECK	RD Center	0002	0313311511		Holiday #1
2004-01-05	000004	JOHN	IDTECK	Department	Title	0193876300		Holiday #1
2004-01-06	000001	GEORGE	IDTECK	Department	Title	25500070		
2004-01-06	000002	MICHAEL	IDTECK	RD Center	Title	25500025		
2004-01-06	000003	TOMAS	IDTECK	RD Center	0002	0313311511		Holiday #1
2004-01-06	000004	JOHN	IDTECK	Department	Title	0193876300		Holiday #1
2004-01-07	000001	GEORGE	IDTECK	Department	Title	25500070		

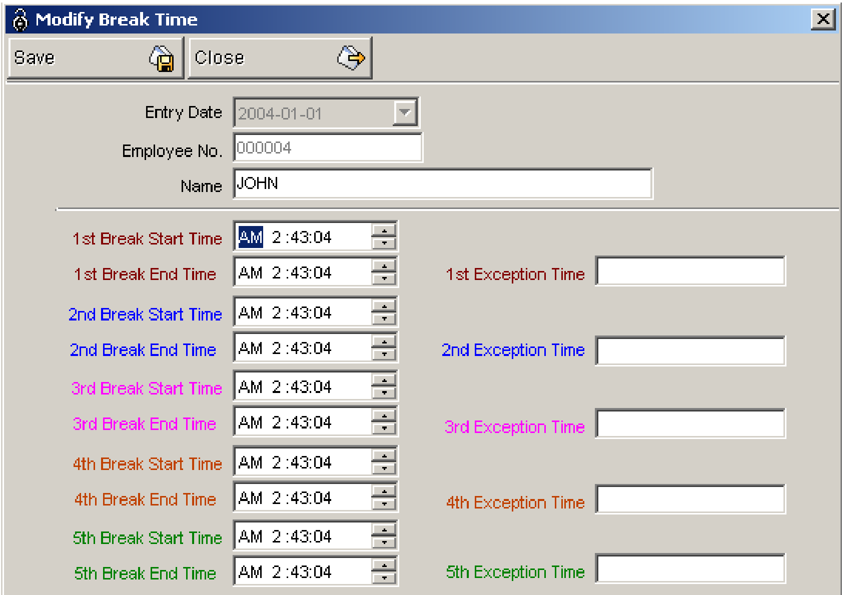
- Abnormal Break Time Data Modification

After performing work data, you can check the break time data result by inquiry. If modification is needed, double click the result to open the modification screen.



Work Date	Employee No.	Name	Company	Department	Title	Card No.	Mifare Card No.	Work Schedu
2004-01-01	000001	GEORGE	IDTECK	Department	Title	25500070		
2004-01-01	000002	MICHAEL	IDTECK	RD Center	Title	25500025		
2004-01-01	000003	TOMAS	IDTECK	RD Center	0002	0313311511		Holiday #1
2004-01-01	000004	JOHN	IDTECK	Department	Title	0193876300		Holiday #1
2004-01-02	000001	GEORGE	IDTECK	Department	Title	25500070		
2004-01-02	000002	MICHAEL	IDTECK	RD Center	Title	25500025		
2004-01-02	000003	TOMAS	IDTECK	RD Center	0002	0313311511		Holiday #1
2004-01-02	000004	JOHN	IDTECK	Department	Title	0193876300		Holiday #1
2004-01-03	000001	GEORGE	IDTECK	Department	Title	25500070		
2004-01-03	000002	MICHAEL	IDTECK	RD Center	Title	25500025		
2004-01-03	000003	TOMAS	IDTECK	RD Center	0002	0313311511		Holiday #1
2004-01-03	000004	JOHN	IDTECK	Department	Title	0193876300		Holiday #1
2004-01-05	000001	GEORGE	IDTECK	Department	Title	25500070		
2004-01-05	000002	MICHAEL	IDTECK	RD Center	Title	25500025		
2004-01-05	000003	TOMAS	IDTECK	RD Center	0002	0313311511		Holiday #1
2004-01-05	000004	JOHN	IDTECK	Department	Title	0193876300		Holiday #1
2004-01-06	000001	GEORGE	IDTECK	Department	Title	25500070		
2004-01-06	000002	MICHAEL	IDTECK	RD Center	Title	25500025		
2004-01-06	000003	TOMAS	IDTECK	RD Center	0002	0313311511		Holiday #1
2004-01-06	000004	JOHN	IDTECK	Department	Title	0193876300		Holiday #1
2004-01-07	000001	GEORGE	IDTECK	Department	Title	25500070		

1) Select the data to be modified with 2 selects on a mouse. It will activate the screen below.



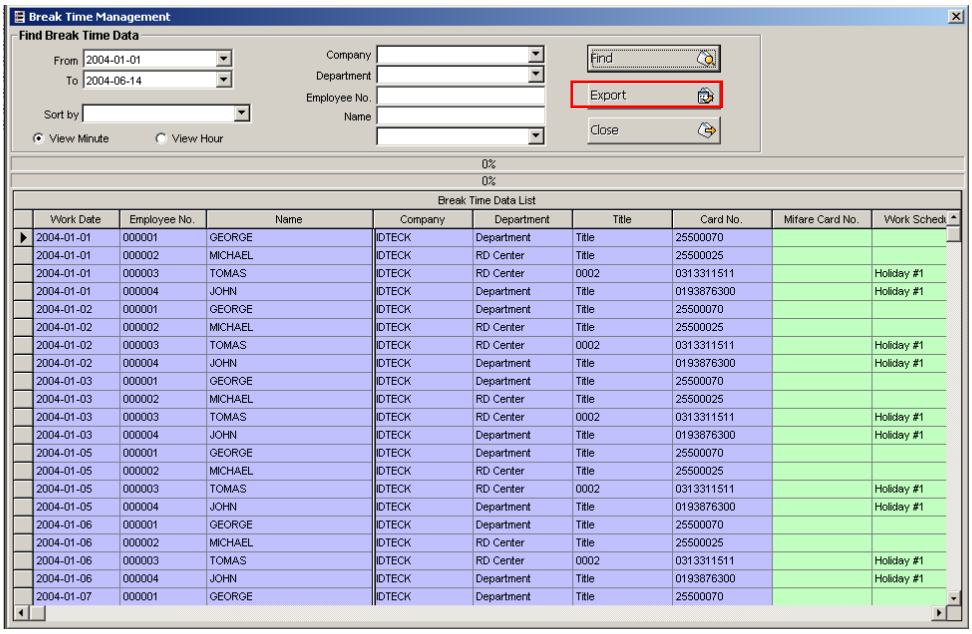
2) 1st Break Start Time, 1st Break End Time, 1st Exception Time, 2nd Break Start Time, 2nd Break End Time, 2nd Exception Time, 3rd Break Start Time, 3rd Break End Time, 3rd Exception Time, 4th Break Start Time, 4th Break End Time, 5th Break Start Time, 5th Break End Time, 5th Exception Time can be modified.

3) If modification is completed, select Save button to save data.

4) Select Close button to finish.

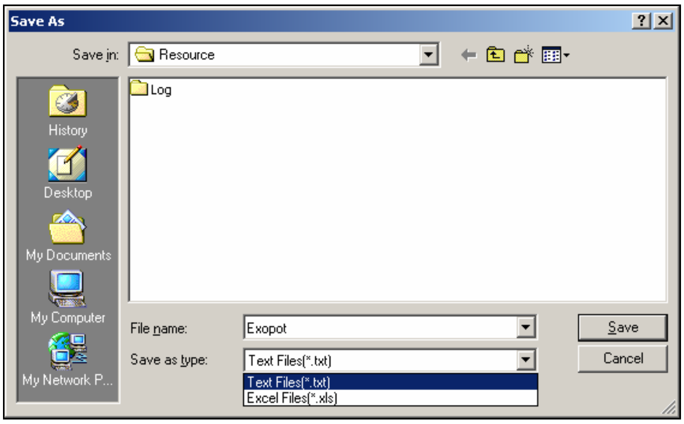
■ Export

This function sends out work data as text file or Excel file format. The files exported can be used in other attendance and wage programs, or connected to an ERP system to be used efficiently.



1) Select Find button to make inquiry.

2) Select Export button and the following screen appear.



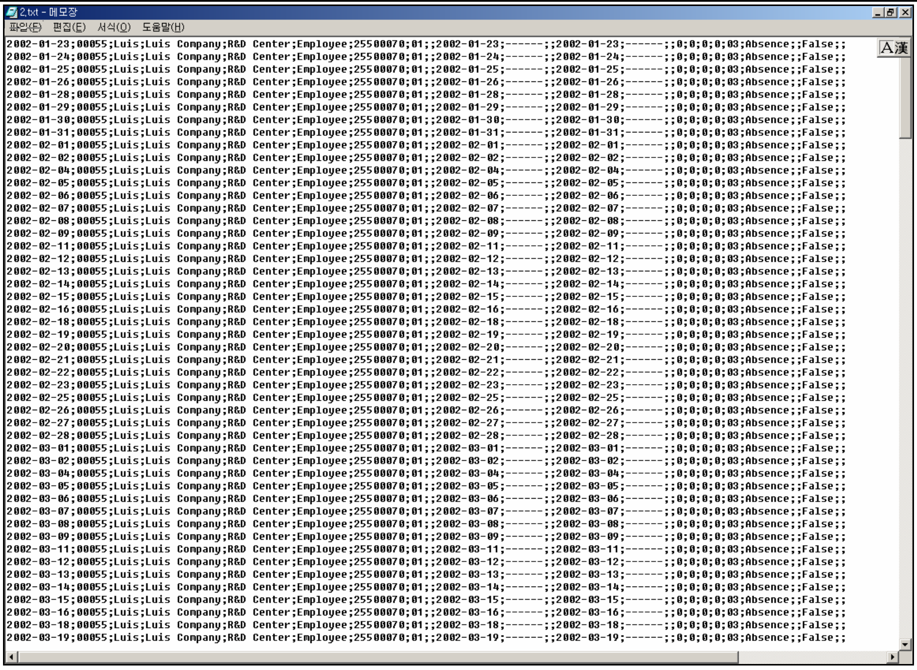
3) Designate folder to save into.

4) Input file format.

5) Select text file or Excel file for export format.

6) Select Save button to save file.

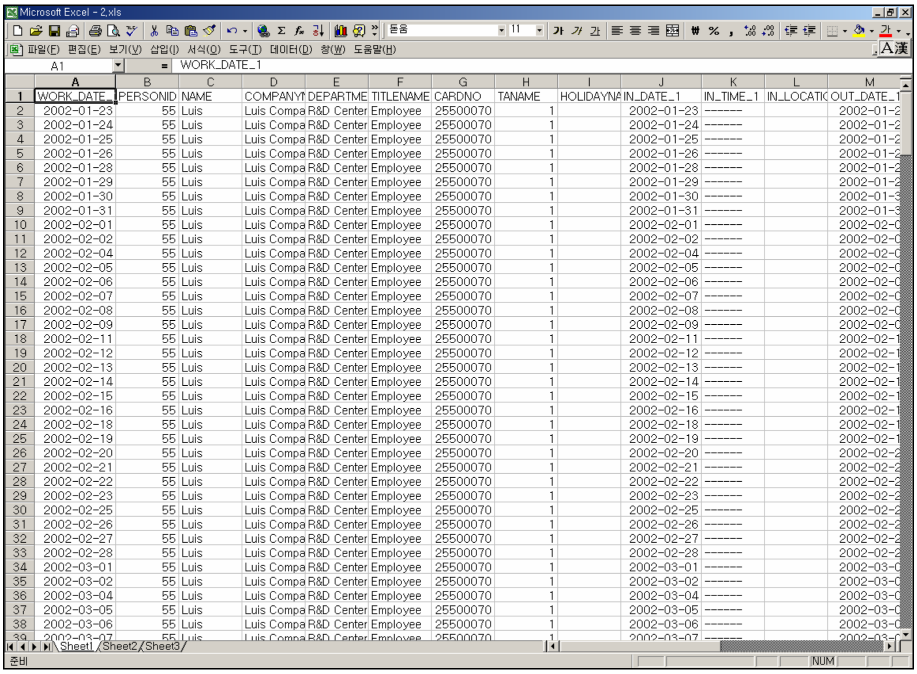
If text file is selected for export, the following screen appears.



2.txt - 메모장

파일(F) 편집(E) 서식(O) 도움말(H)

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Microsoft Excel - 2.xls

파일(F) 편집(E) 보기(V) 삽입(I) 서식(O) 도구(T) 데이터(D) 창(W) 도움말(H)

A1 = WORK_DATE_1

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	WORK_DATE_	PERSONID	NAME	COMPANYN	DEPARTME	TITLENAME	CARDNO	TANAME	HOLIDAYNA	IN_DATE_1	IN_TIME_1	IN_LOCATIC	OUT_DATE_1
2	2002-01-23	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-01-23	------		2002-01-2
3	2002-01-24	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-01-24	------		2002-01-2
4	2002-01-25	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-01-25	------		2002-01-2
5	2002-01-26	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-01-26	------		2002-01-2
6	2002-01-28	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-01-28	------		2002-01-2
7	2002-01-29	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-01-29	------		2002-01-2
8	2002-01-30	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-01-30	------		2002-01-3
9	2002-01-31	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-01-31	------		2002-01-3
10	2002-02-01	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-02-01	------		2002-02-0
11	2002-02-02	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-02-02	------		2002-02-0
12	2002-02-04	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-02-04	------		2002-02-0
13	2002-02-05	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-02-05	------		2002-02-0
14	2002-02-06	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-02-06	------		2002-02-0
15	2002-02-07	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-02-07	------		2002-02-0
16	2002-02-08	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-02-08	------		2002-02-0
17	2002-02-09	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-02-09	------		2002-02-0
18	2002-02-11	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-02-11	------		2002-02-1
19	2002-02-12	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-02-12	------		2002-02-1
20	2002-02-13	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-02-13	------		2002-02-1
21	2002-02-14	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-02-14	------		2002-02-1
22	2002-02-15	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-02-15	------		2002-02-1
23	2002-02-16	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-02-16	------		2002-02-1
24	2002-02-18	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-02-18	------		2002-02-1
25	2002-02-19	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-02-19	------		2002-02-1
26	2002-02-20	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-02-20	------		2002-02-2
27	2002-02-21	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-02-21	------		2002-02-2
28	2002-02-22	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-02-22	------		2002-02-2
29	2002-02-23	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-02-23	------		2002-02-2
30	2002-02-25	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-02-25	------		2002-02-2
31	2002-02-26	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-02-26	------		2002-02-2
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38	2002-03-06	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-03-06	------		2002-03-0
39	2002-03-07	55	Luis	Luis Compa	R&D Center	Employee	25500070	1		2002-03-07	------		2002-03-0

Sheet1 / Sheet2 / Sheet3

준비 NUM

Attendance Report (Individual/Daily)

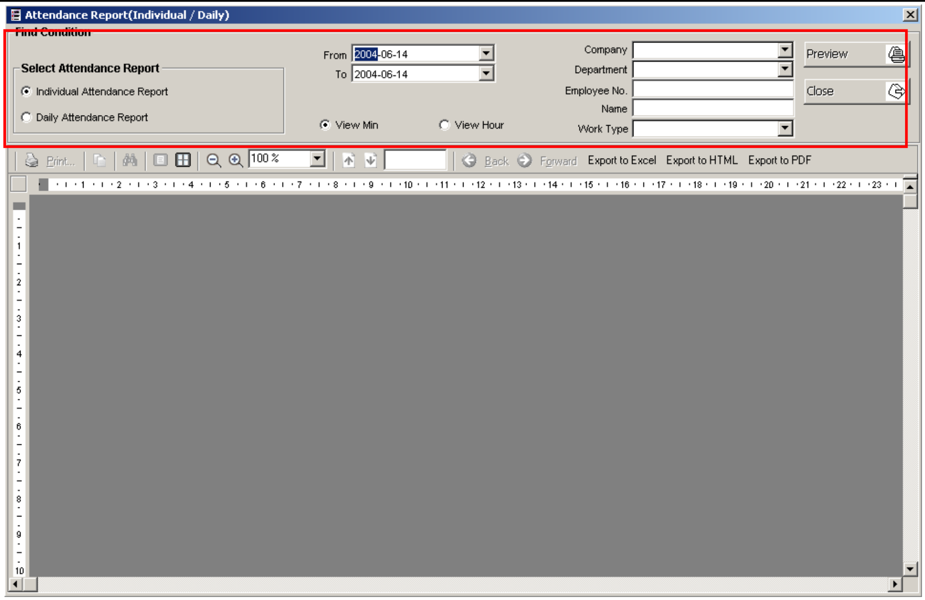
Individual/Daily Report is outputted using work attendance data as basis. This report displays Start work, Finish work, Late, Leave, Absence, and abnormal attendance modified data.

- Start

  Select Time/Attendance->Individual/Daily Report or press Shift + F9 on keyboard.

- Find and Print

  Input Find Condition to print appropriate data. Input the conditions in the top part of screen, and how the report will be printed can be seen at the bottom part of screen.

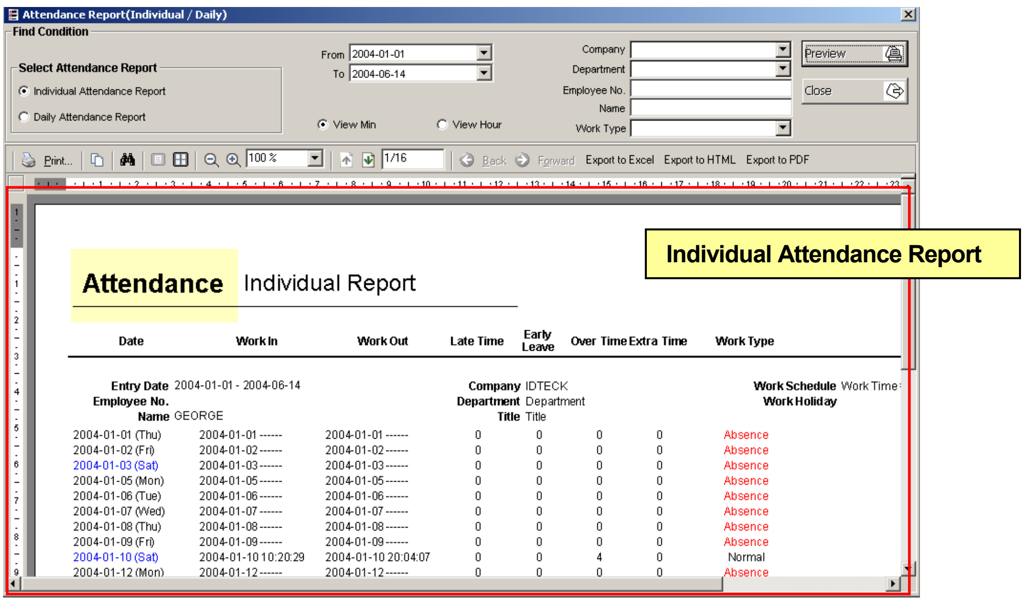


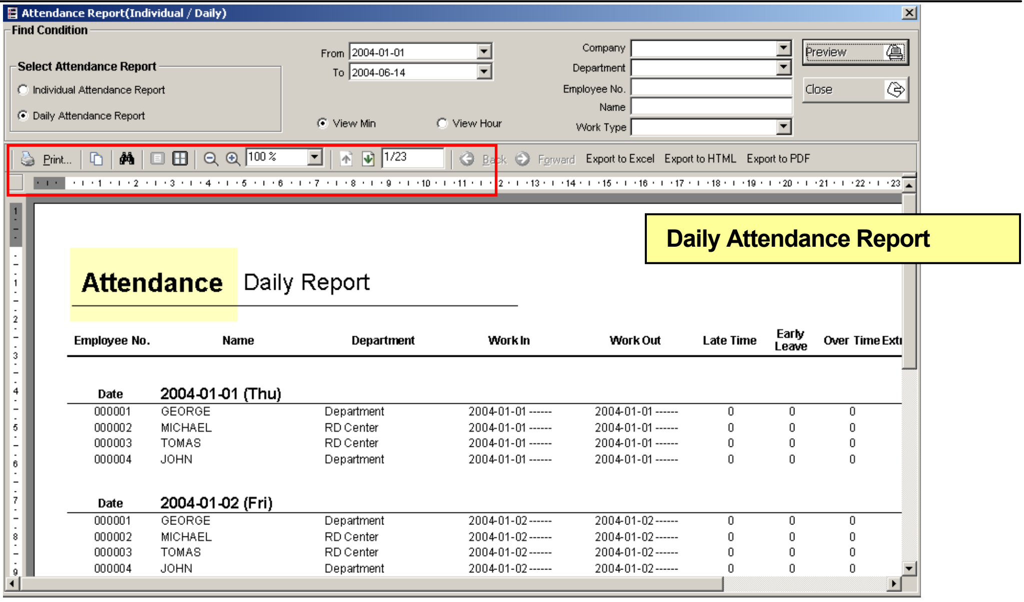
1) Select type of Attendance Report.

> *Individual Attendance Report find is From/To date of individual type data.*
> *Daily Attendance Report find is From/To date of daily type data.*

2) Input Find Condition.

3) Select Print button. If data is found, it will display how it will look when printed. The following screen will appear.



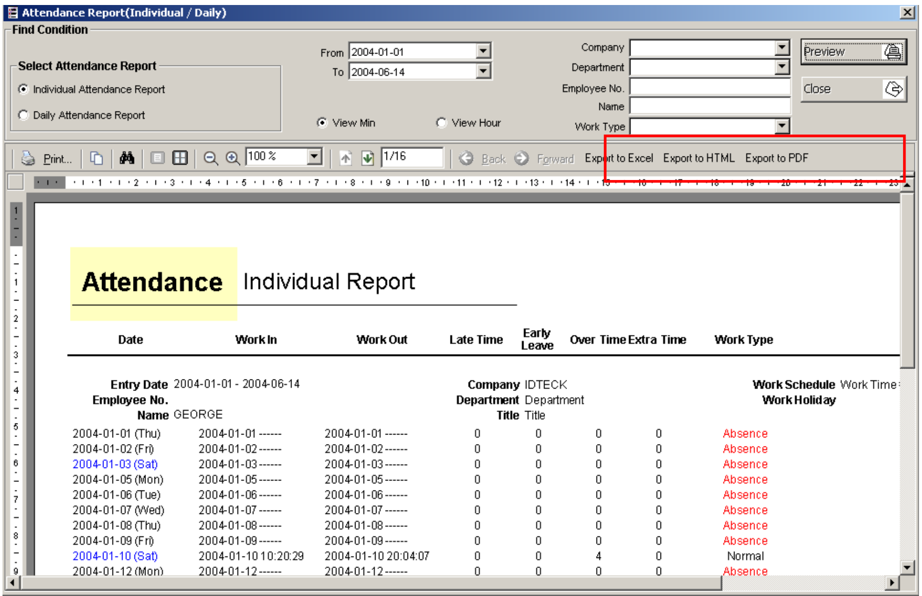


4) To obtain print out of this screen, select the Print button located in the top left hand side.

You can operate the buttons next to the Print to zoom, compress, view multiple pages, and other options through these icons.

■ File Conversion (Export)

All reports can be converted to variety of files. It can be converted to PDF, HTML, and Excel file. These converted files can be sent out via Internet and email to another person.



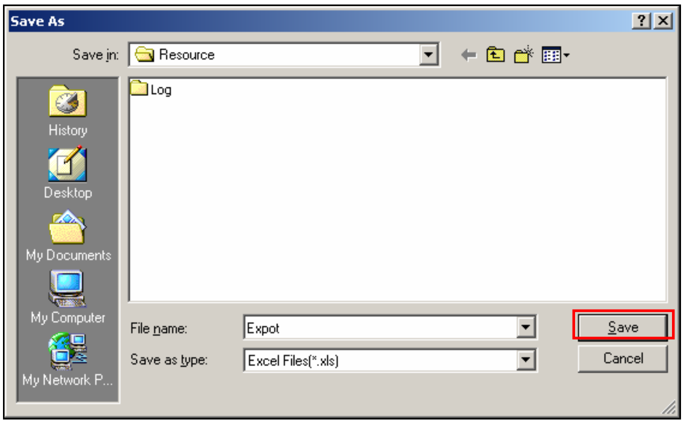
✓ Export To Excel: Excel report file is created as appearing in print image.

✓ Export To HTML: HTML report file is created as appearing in print image.

✓ Export To PDF: PDF report file is created as appearing in print image. You will need Adobe Acrobat Reader to view the PDF file.

1) Select the button for the type of file conversion.

2) The following screen will appear. Input the file name and designate a folder location.

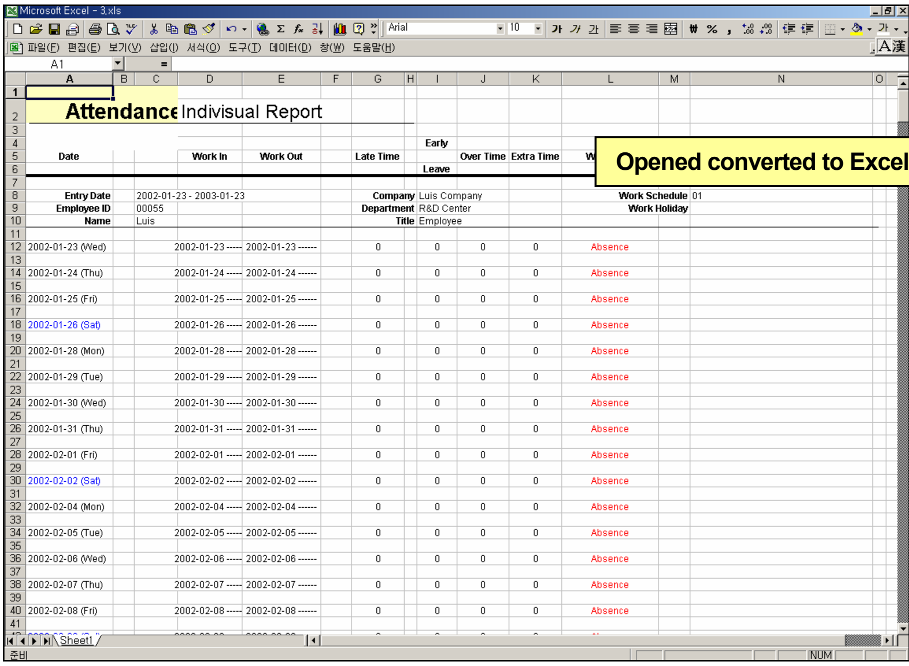


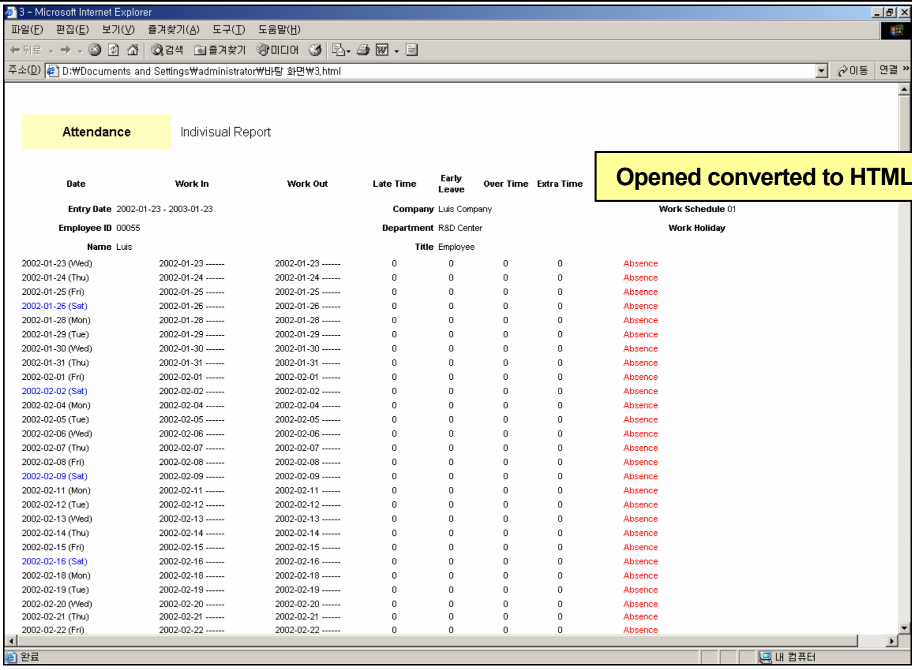
3) Select Save button. Depending on file conversion type, it may take some time to complete.

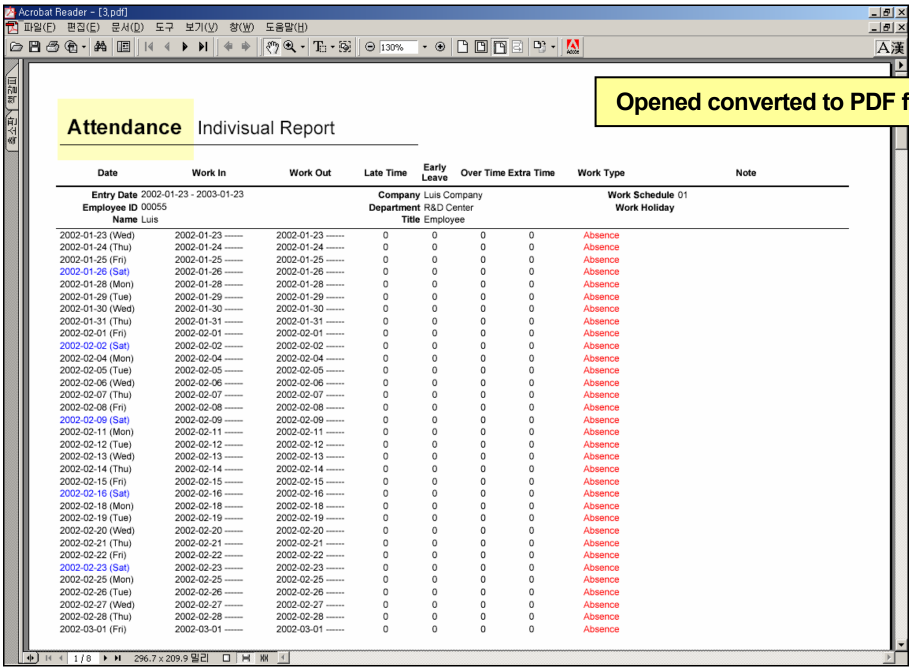
There are instances where it may take some time for the procedure to complete, depending on conversion file type and number of pages.

PDF and Excel file conversion takes some time. You will need to wait until the mouse's cursor hourglass display is finished.

4) Once conversion is completed, you can open the converted file to check file image.







Attendance Report (Monthly/Annual)

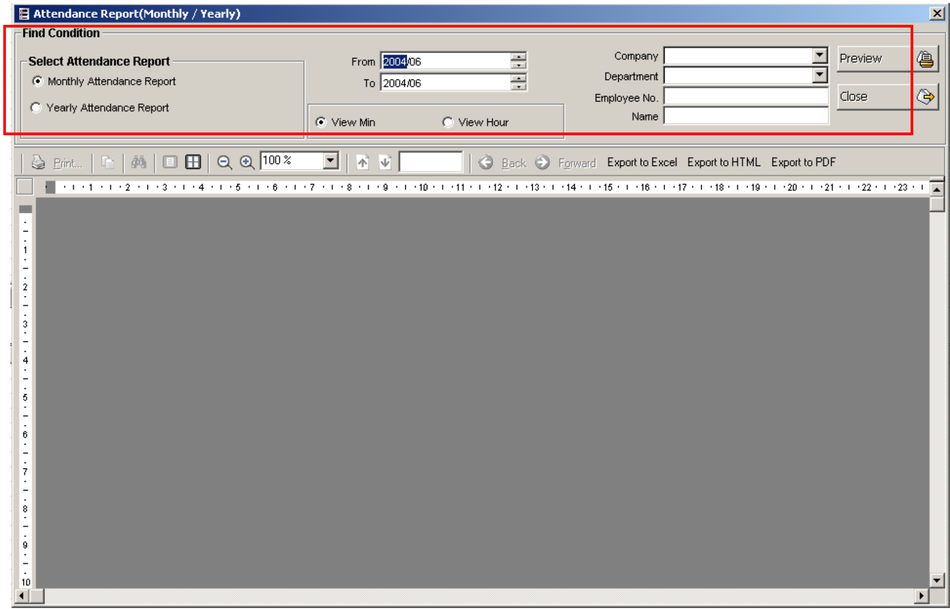
Monthly/Annual report can be printed using Monthly Data and Annual Data as basis. This report is total calculation of Monthly and Annual work attendance data. Through detailed report, Monthly report can be checked by individual type of 1 month time attendance.

- Start

  Select Time/Attendance->Report->Monthly/Annual Report or press Shift + F11 on keyboard.

- Find and Print

Input Find Condition to print appropriate data. Input the conditions in the top part of screen, and how the report will be printed can be seen at the bottom part of screen.



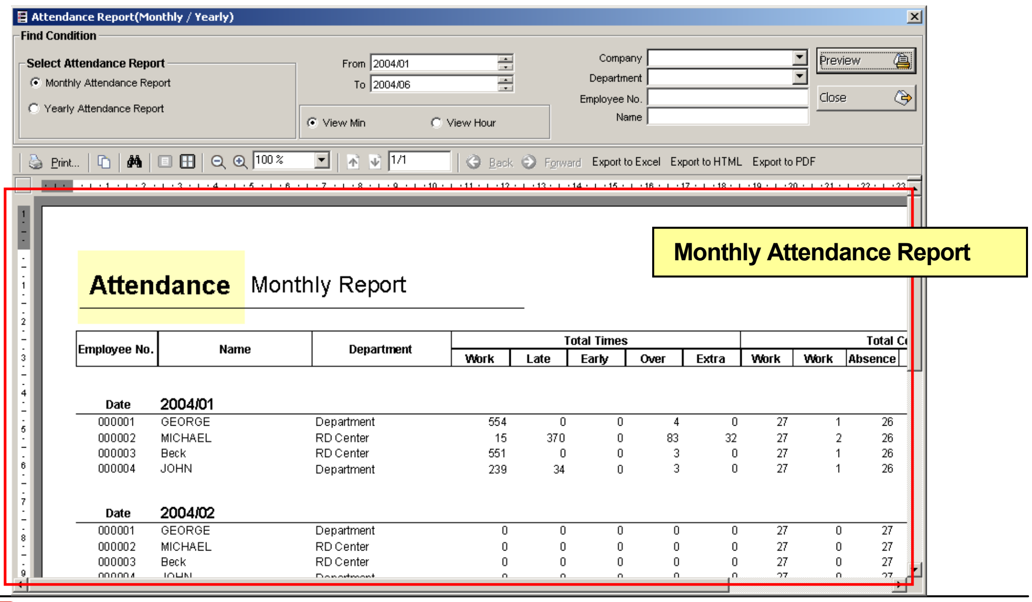
1) Select Attendance Report type.

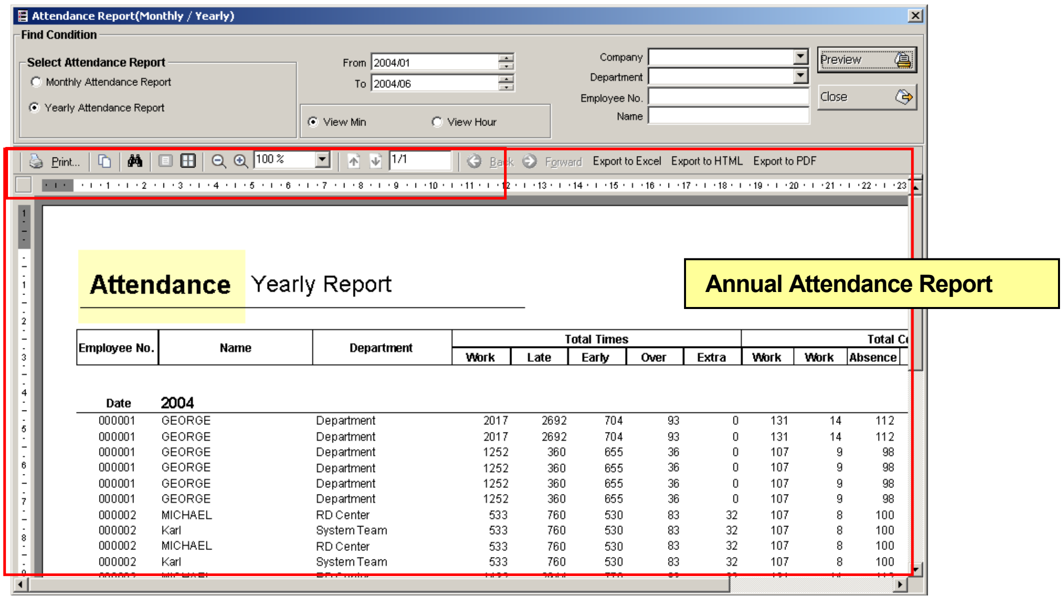
Monthly Attendance Report uses as basis Monthly Work Data to display monthly attendance by individual type. Monthly Attendance Report (Day by Day) displays one month attendance at once to check data.

Annual Attendance Report uses Annual Work Data to display current time attendance, and the data is agreed with Monthly Attendance Report.

2) Input Find Condition.

3) Select Print button. If data is found, it will display how it will look when printed. The following screen will appear.



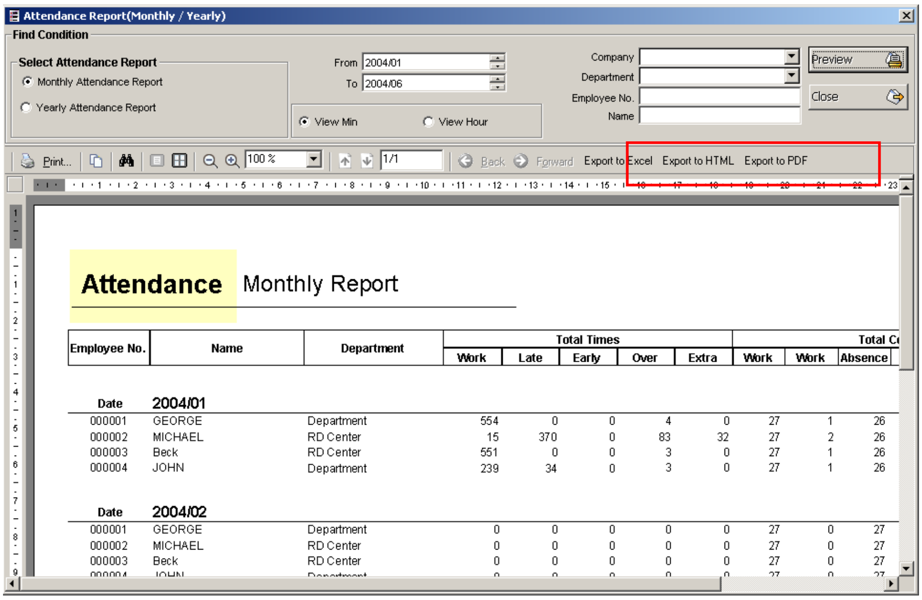


4) To obtain print out of this screen, select the Print button located in the top left hand side.

You can operate the buttons next to the Print to zoom, compress, view multiple pages, and other options through these icons.

- File Conversion (Export)

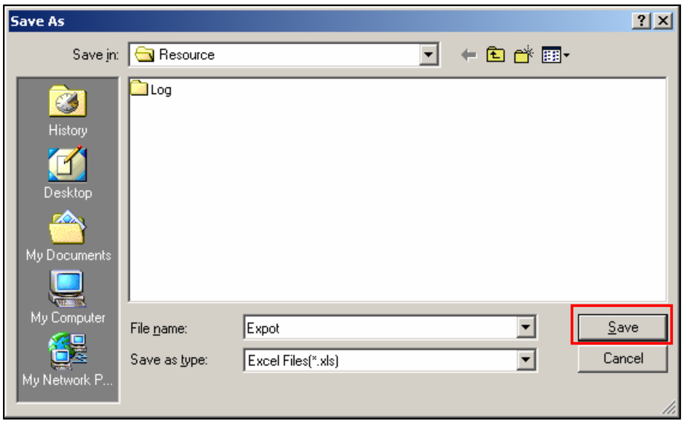
All reports can be converted to variety of files. It can be converted to PDF, HTML, and Excel file. These converted files can be sent out via Internet and email to another person.



- ✓ Export To Excel: Excel report file is created as appearing in print image.
- ✓ Export To HTML: HTML report file is created as appearing in print image.
- ✓ Export To PDF: PDF report file is created as appearing in print image. You will need Adobe Acrobat Reader to view the PDF file.

1) Select the button for the type of file conversion.

2) The following screen will appear. Input the file name and designate a folder location.



3) Select Save button. Depending on file conversion type, it may take some time to complete.

> *There are instances where it may take some time for the procedure to complete, depending on conversion file type and number of pages.*
>
> *PDF and Excel file conversion takes some time. You will need to wait until the mouse's cursor hourglass display is finished.*

Break Time Report (Daily)

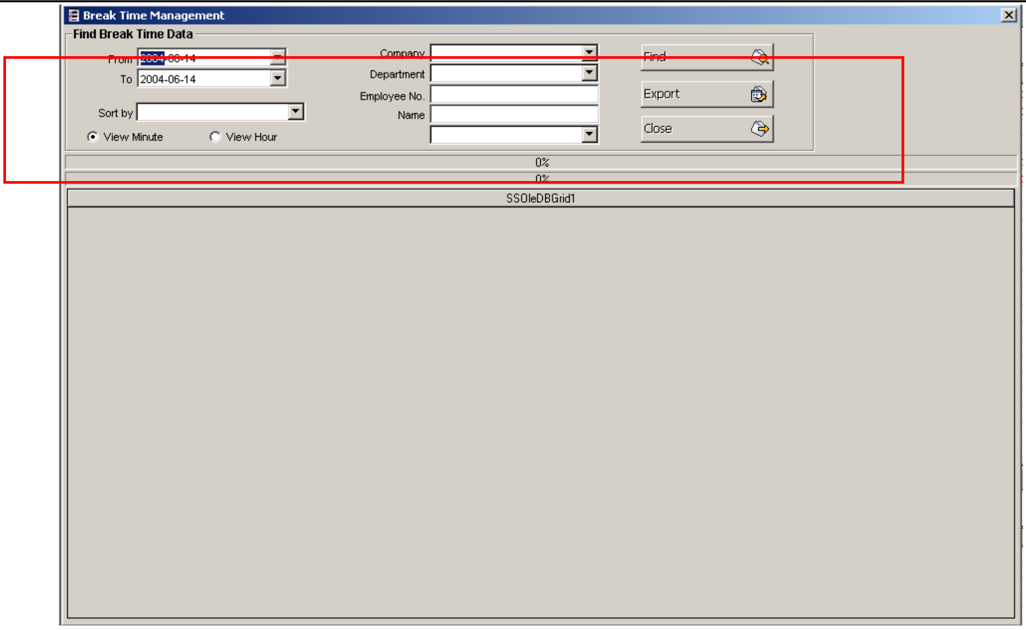
Break Time Report is outputted using work attendance data as basis. This report displays Break Start Time, Break End Time, and Break Exception time and abnormal attendance modified data.

■ Start

Select Time/Attendance->Break Time Report or press Shift + Ctrl + F1 on keyboard.

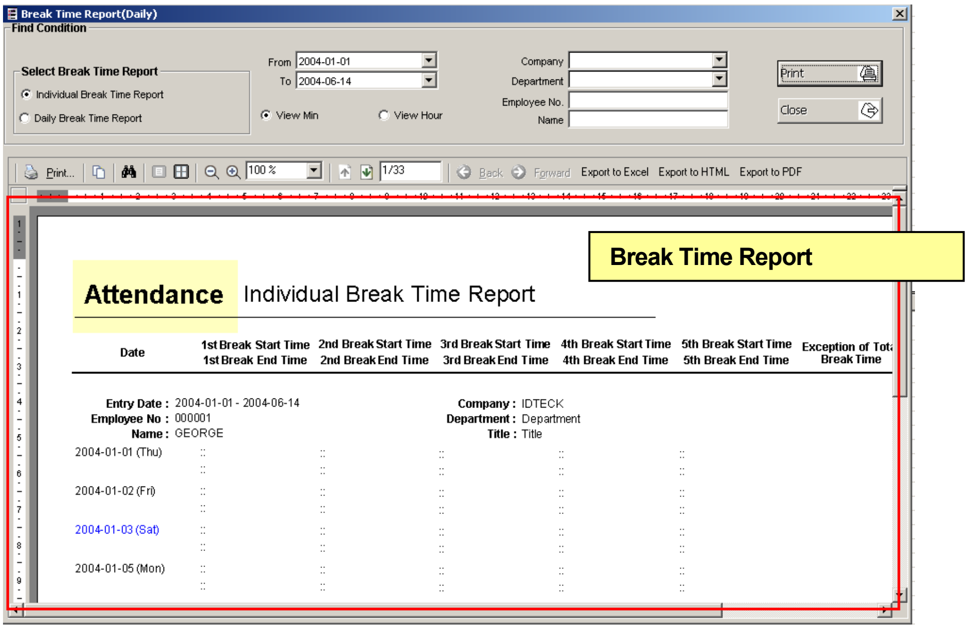
■ Find and Print

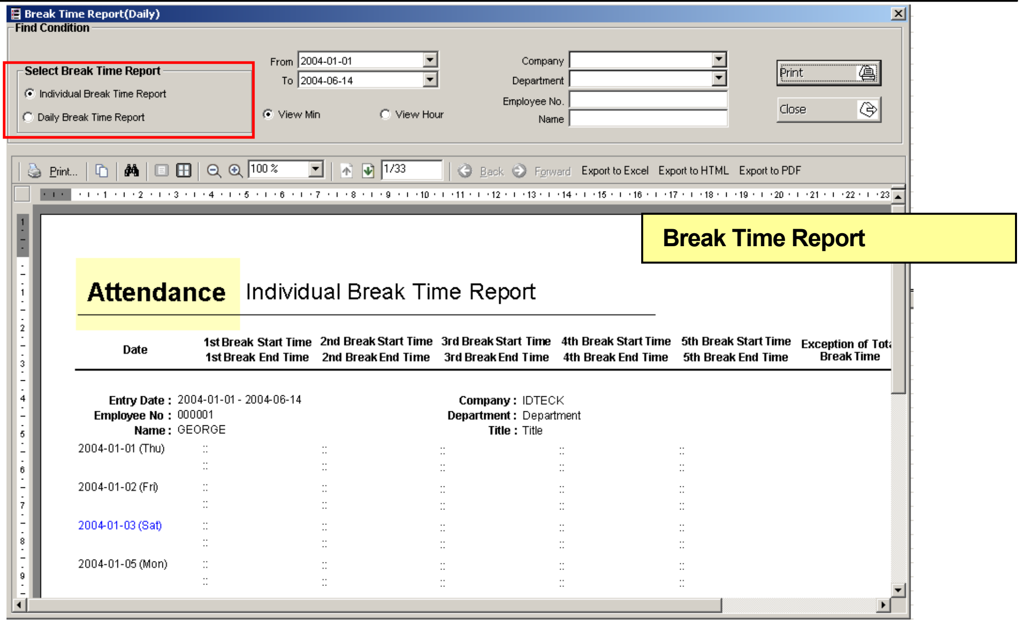
Input Find Condition to print appropriate data. Input the conditions in the top part of screen, and how the report will be printed can be seen at the bottom part of screen.



1) Input Find Condition.

2) Select Print button. If data is found, it will display how it will look when printed. The following screen will appear.



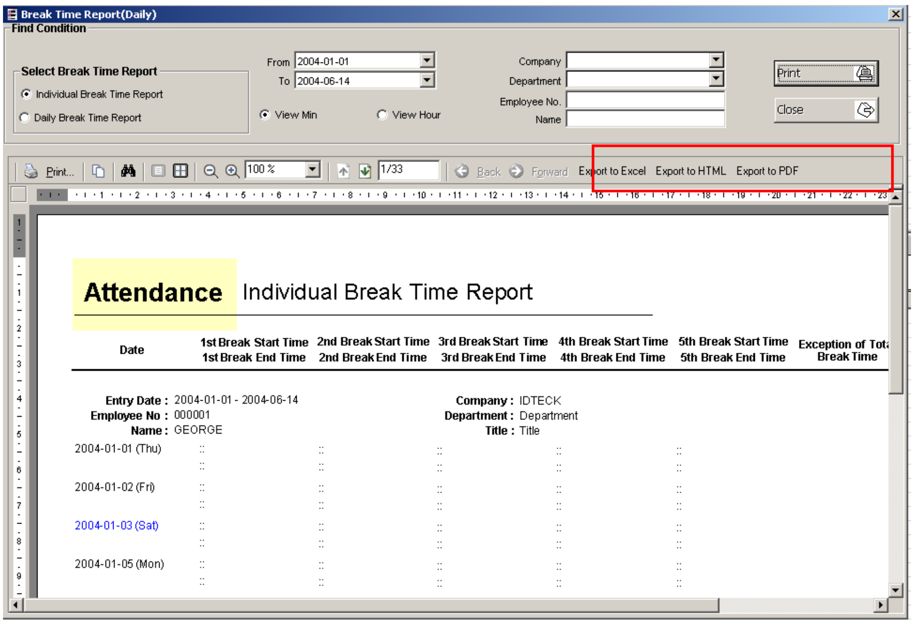


3) To obtain print out of this screen, select the Print button located in the top left hand side.

You can operate the buttons next to the Print to zoom, compress, view multiple pages, and other options through these icons.

■ File Conversion (Export)

All reports can be converted to variety of files. It can be converted to PDF, HTML, and Excel file. These converted files can be sent out via Internet and email to another person.



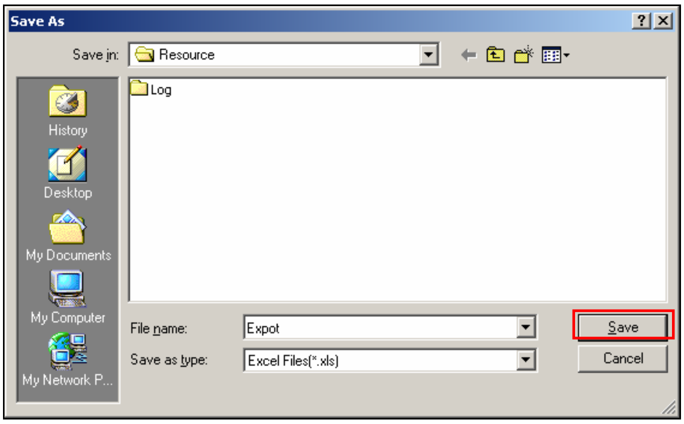
✓ Export to Excel: Excel report file is created as appearing in print image.

✓ Export to HTML: HTML report file is created as appearing in print image.

✓ Export to PDF: PDF report file is created as appearing in print image. You will need Adobe Acrobat Reader to view the PDF file.

1) Select the button for the type of file conversion.

2) The following screen will appear. Input the file name and designate a folder location.

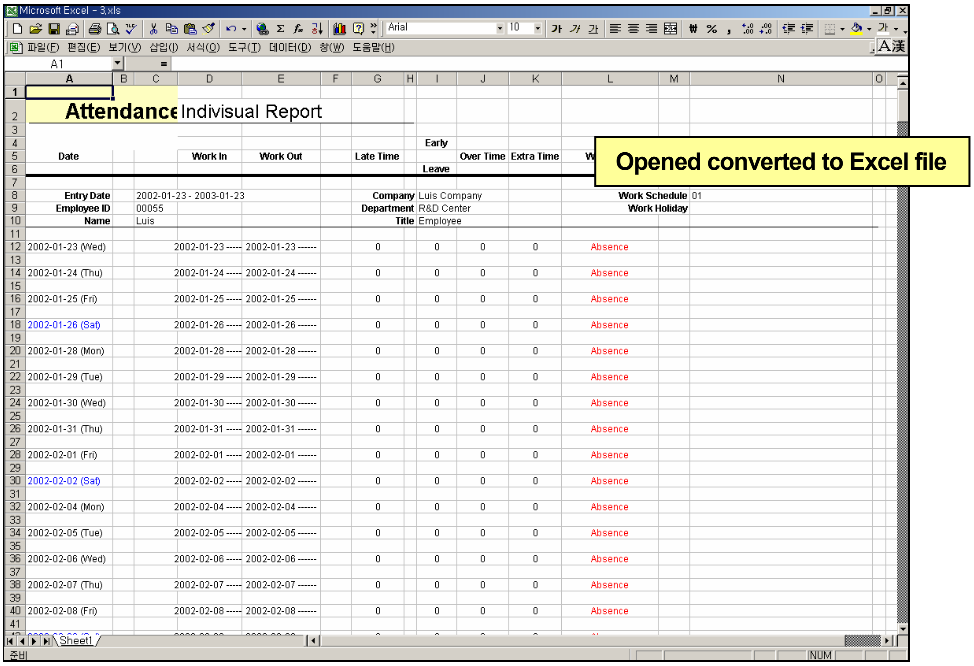


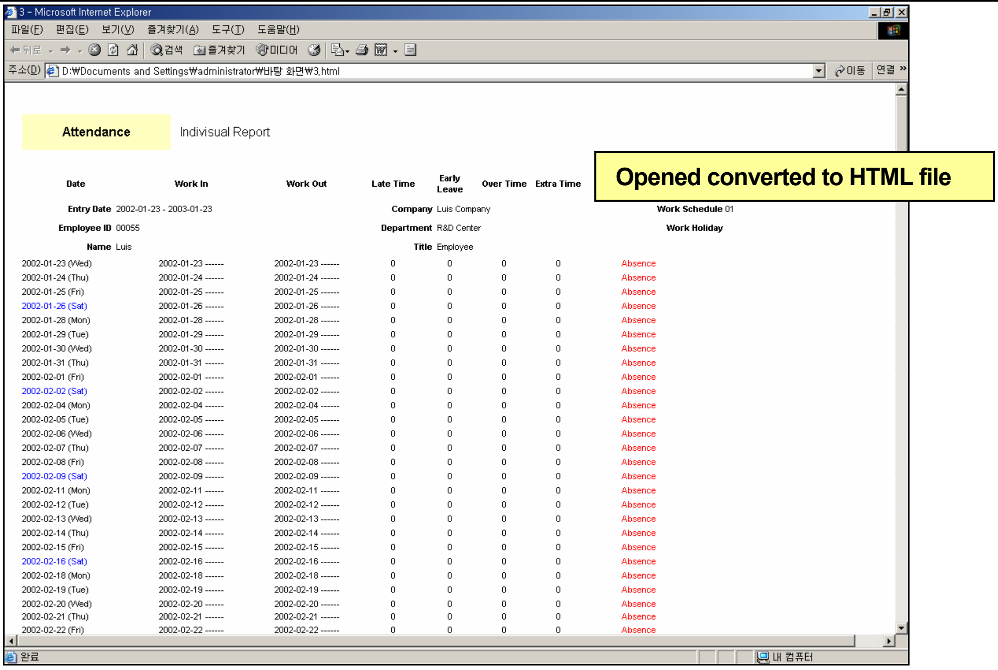
3) Select Save button. Depending on file conversion type, it may take some time to complete.

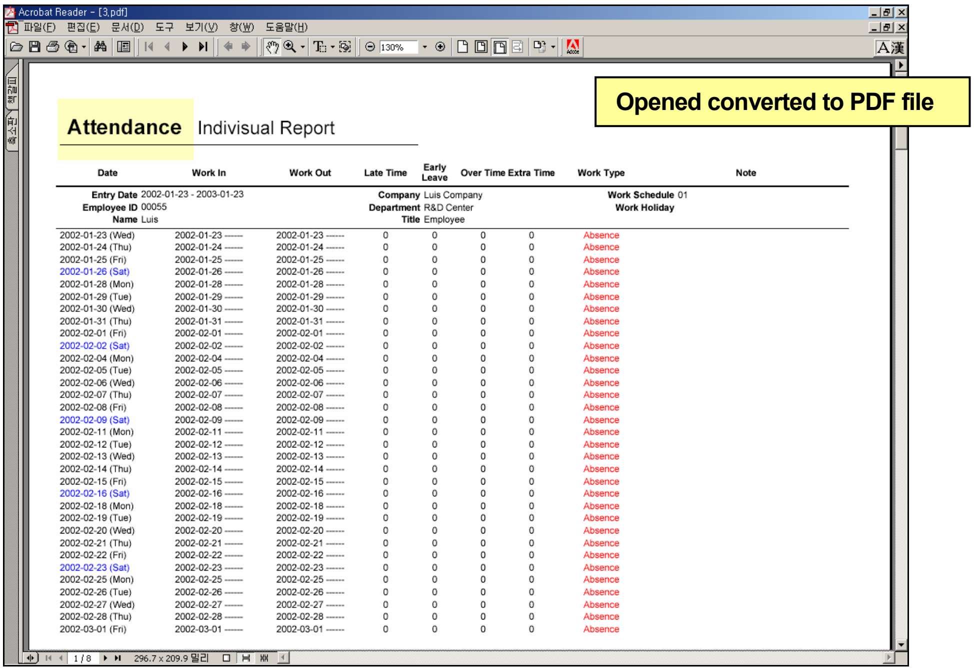
There are instances where it may take some time for the procedure to complete, depending on conversion file type and number of pages.

PDF and Excel file conversion takes some time. You will need to wait until the mouse's cursor hourglass display is finished.

4) Once conversion is completed, you can open the converted file to check file image.







Break Time Report (Monthly/Annual)

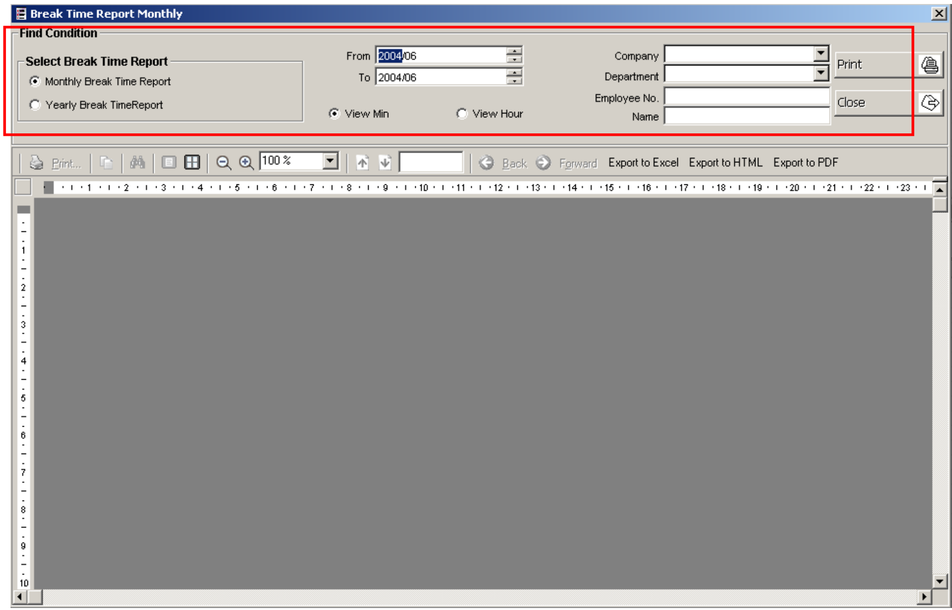
Monthly/Annual report can be printed using Monthly Data and Annual Data as basis. This report is total calculation of Monthly and Annual work attendance data. Through detailed report, Monthly report can be checked by individual type of 1 month time attendance.

- Start

  Select Time/Attendance->Report->Monthly Break Report or press Shift + Ctrl + F2 on keyboard.

- Find and Print

Input Find Condition to print appropriate data. Input the conditions in the top part of screen, and how the report will be printed can be seen at the bottom part of screen.



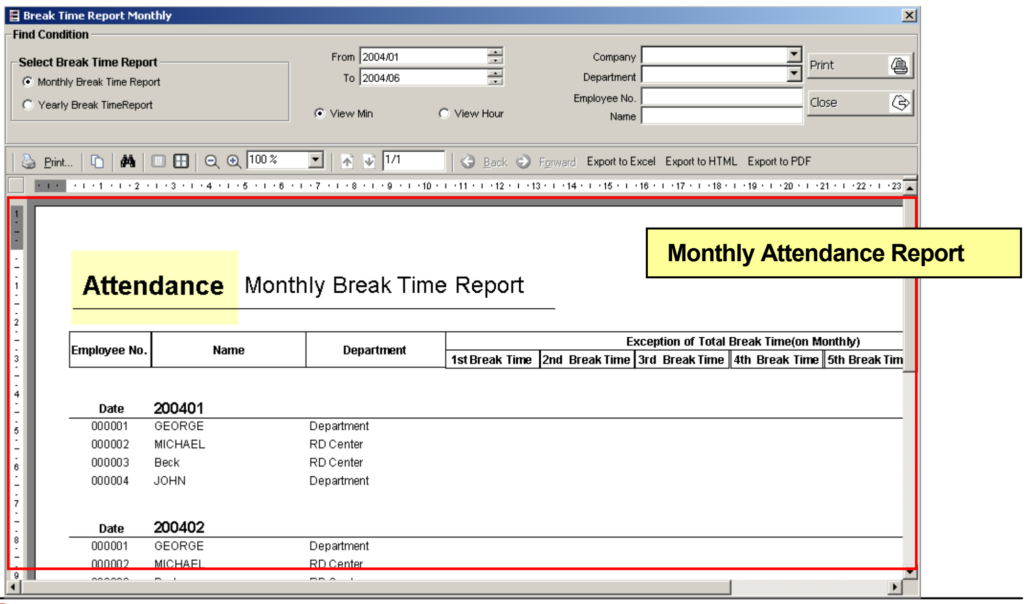
1) Select Break time Report type.

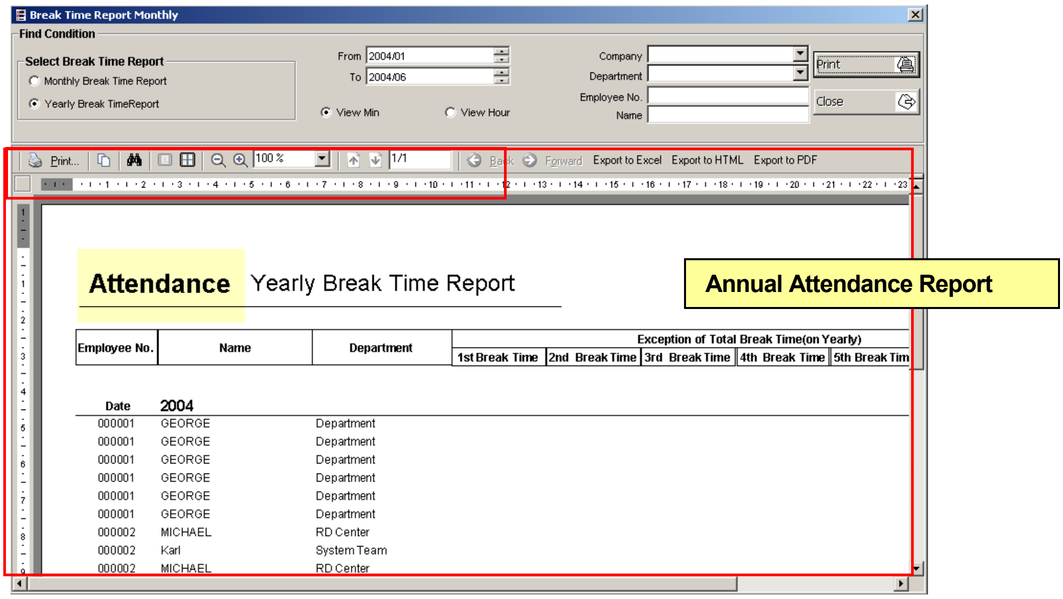
Monthly Break time Report uses as basis Monthly Break Time Data to display monthly attendance by individual type. Monthly Break Time Report (Day by Day) displays one month Break time data at once to check data.

Annual Break Time Report uses Annual Break Time Data to display current time attendance, and the data is agreed with Monthly Break time Report.

2) Input Find Condition.

3) Select Print button. If data is found, it will display how it will look when printed. The following screen will appear.



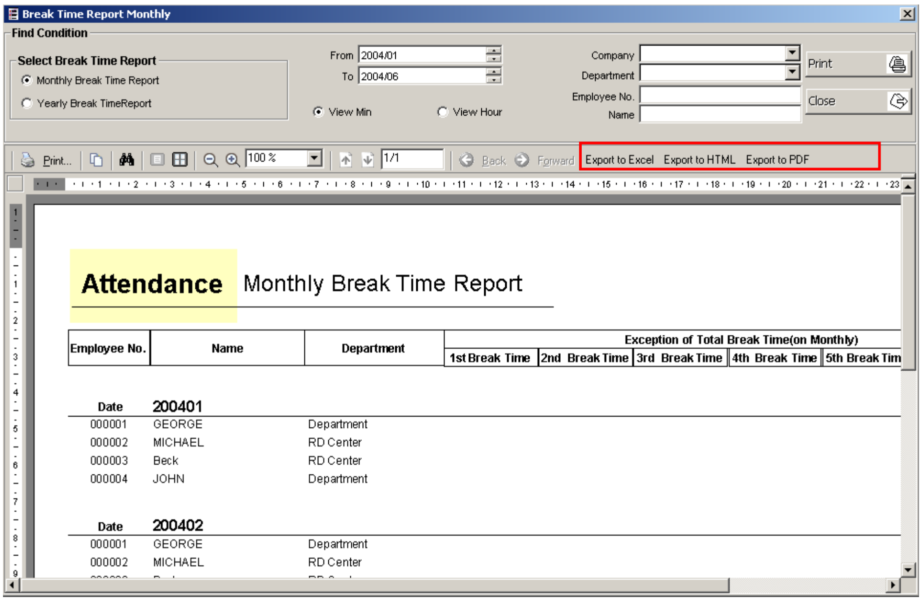


4) To obtain print out of this screen, select the Print button located in the top left hand side.

You can operate the buttons next to the Print to zoom, compress, view multiple pages, and other options through these icons.

- File Conversion (Export)

All reports can be converted to variety of files. It can be converted to PDF, HTML, and Excel file. These converted files can be sent out via Internet and email to another person.



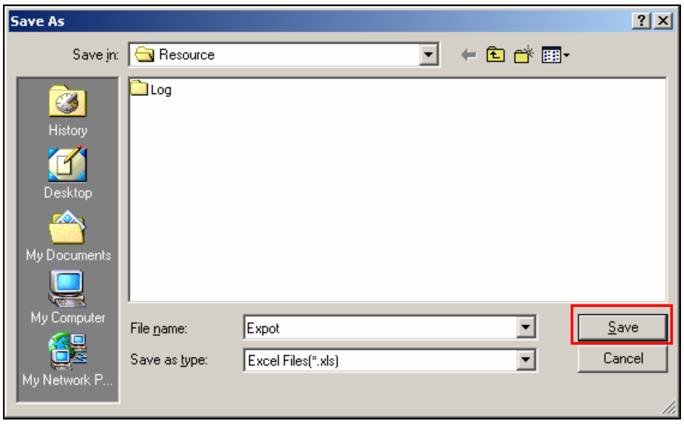
✓ Export to Excel: Excel report file is created as appearing in print image.

✓ Export to HTML: HTML report file is created as appearing in print image.

✓ Export to PDF: PDF report file is created as appearing in print image. You will need Adobe Acrobat Reader to view the PDF file.

1) Select the button for the type of file conversion.

2) The following screen will appear. Input the file name and designate a folder location.



3) Select Save button. Depending on file conversion type, it may take some time to complete.

There are instances where it may take some time for the procedure to complete, depending on conversion file type and number of pages.

PDF and Excel file conversion takes some time. You will need to wait until the mouse's cursor hourglass display is finished.

Chapter 7 TCP/IP Communication

DUAL PRO™ TCP/IP Communication

This chapter explains TCP/IP communication explanation, along with detailed configuration instruction and usage with STARWATCH DUAL PRO II™

TCP/IP Communication

TCP/IP communication takes place of existing serial communication, by using the already established network to communicate with the ACU device and program.

TCP/IP communication method supported by ACU is 1 type. There is an external converter called Neteye1000S using TCP/IP.

Neteye1000S RS422 communication with TCP/IP communication from program to device can be networked. It can connect 32 ACU devices via RS422 for operation.

For instance, if using external type converter, each converter can connect 32 units. In this case, one fixed IP is needed for the external TCP/IP converter.

In Usage with External TCP/IP converter

If using external converter, it can connect up to maximum of 32 ACU devices. In this case, the communication must be connected via RS422 method. You can use RS232 or RS422 if external converter has only 1 unit of ACU connected.

Connection method for external converter in RS232/RS422 is a bit different in wire connection and Piano Switch.

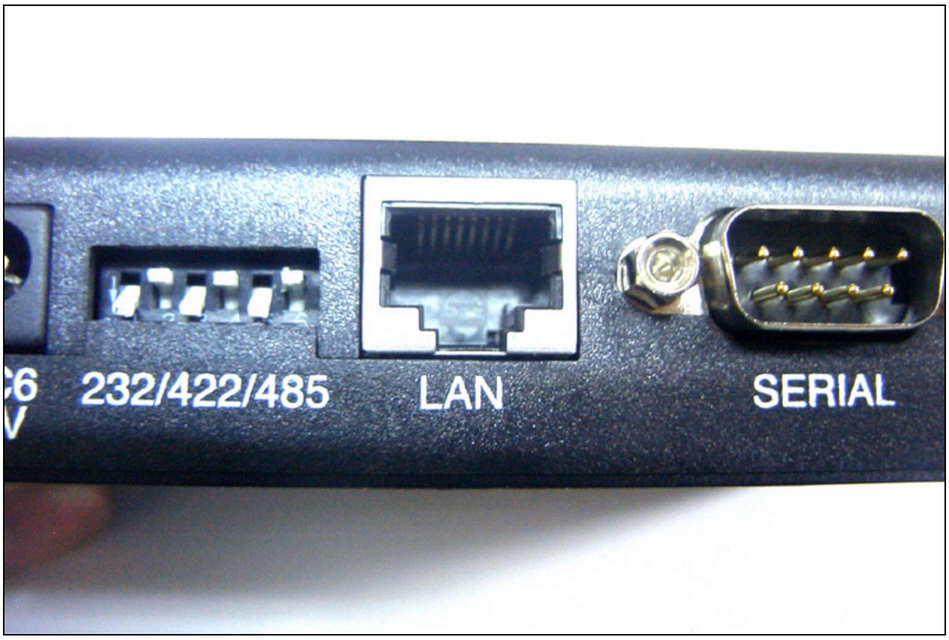
Communication via RS232

RS232 connection must be done in the following. Use a 9 pin female connector to the ACU device RS232 communication as shown below.

- Connection

ACU device cable	9 pin connector
TXD	#2 pin (RXD)
RXD	#3 pin (TXD)
GROUND	#5 pin (GRD)

- Piano Switch Configuration



Switch #	Switch Status
1	On(Down)
2	Off(Up)
3	On(Down)
4	Off(Up)
5	On(Down)
6	Off(Up)

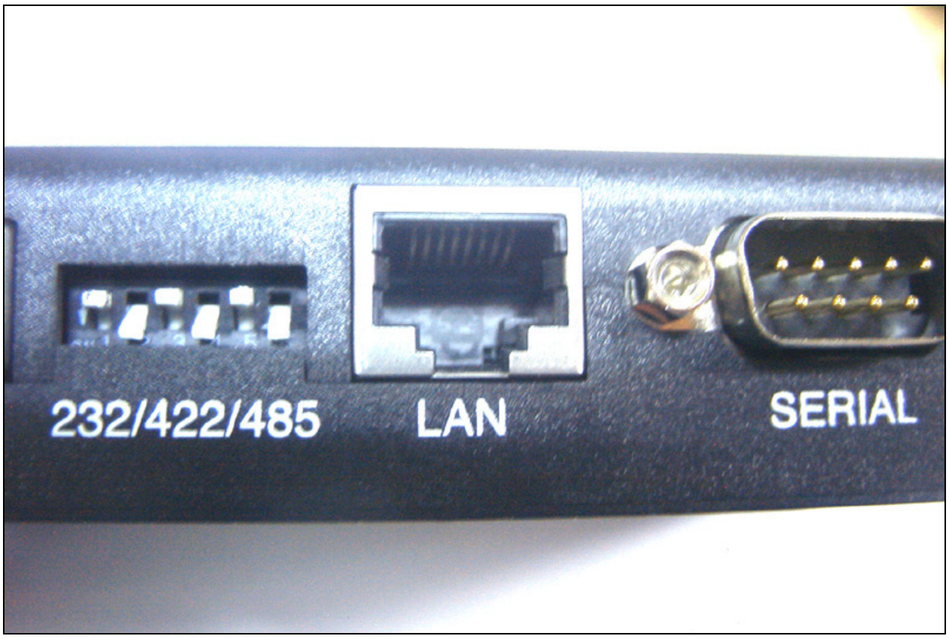
Communication via RS422

RS422 connection must be done in the following. Use a 9 pin female connector to the ACU device RS422 communication as shown below.

- Connection

ACU device	9 pin connector
TX+	#2 pin (RX+)
RX+	#3 pin (TX+)
TX-	#7 pin (RX-)
RX-	#8 pin (TX-)

■ Piano Switch Configuration



Switch #	Switch Status
1	Off(Up)
2	On(Down)
3	Off(Up)
4	On(Down)
5	Off(Up)
6	On(Down)

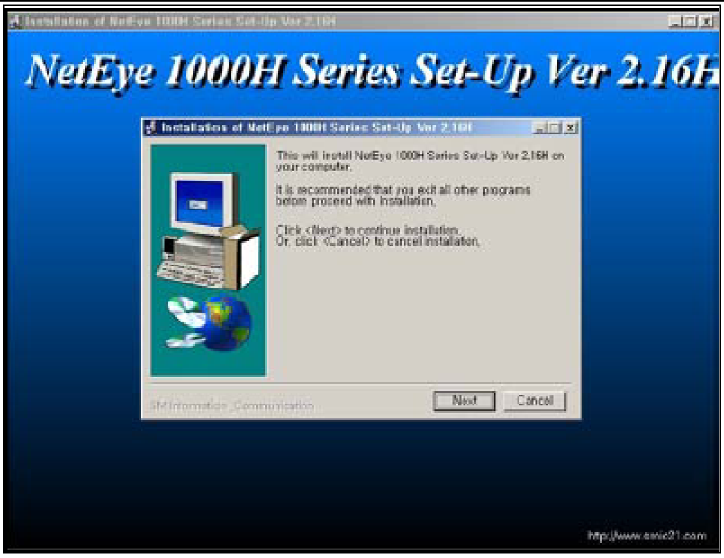
External Converter Configuration Program

Using an external converter for TCP/IP communication requires a configuration program, along with an IP and some configuration processes.

■ Program Installation

The CD provided contains LAN converter IP configuration and operation status check. Install the program to configure the LAN converter IP from the PC.

1) Locate the NetEye1000_Setup.exe file in the CD and select on it to begin installation.



2) Select Next button to move on to following step.



3) Check the folder the program will be installed on to, then select Install button to begin.



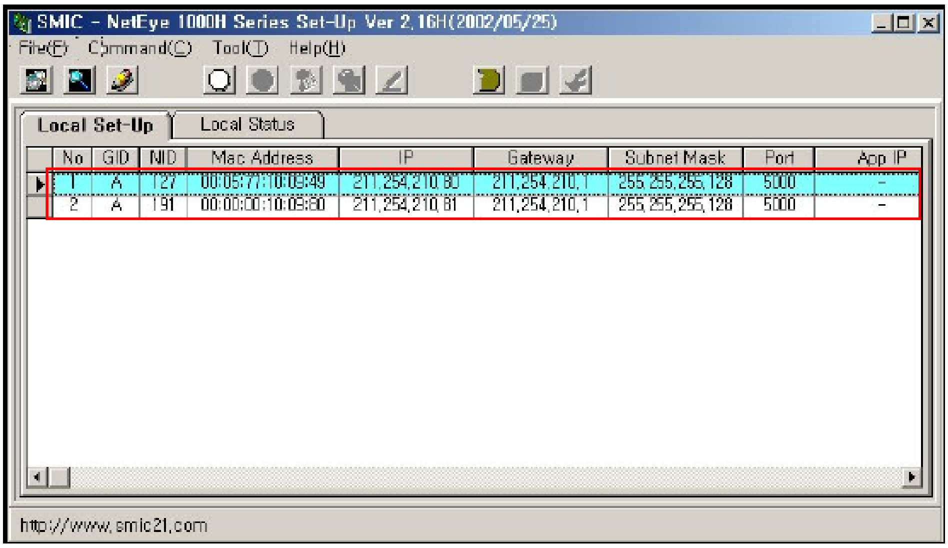
4) Once installation is completed, select OK button to finish.

■ IP Configuration

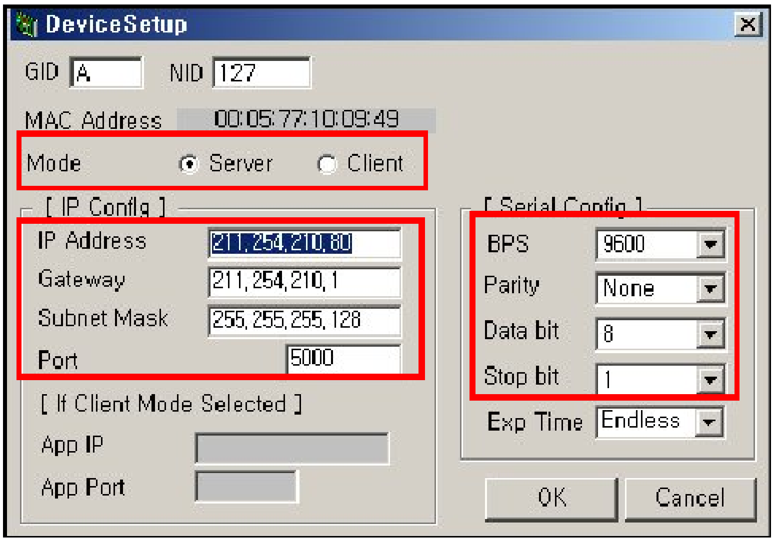
Select Start->Program->NetEye1000 to run program.

Once programming is running, it will display the following screen showing all LAN converters connected to the network.

The figure below shows 2 LAN converters connected.



Each LAN converter needs to configure IP, Gateway, Subnet Mask, and Port. From the above figure, selecting the converter to be configured by double clicking will display the following screen.



User needs to configure the above categories with a value. Modify the IP Address, Gateway, Subnet Mask, but leave the rest with default values.

Category	Setup Value
Mode	Server
IP Address	IP Address received from network(No Duplication)
Gateway	Gateway received from network
Subnet Mask	Subnet Mask received from network
Port	5000
BPS	9600
Parity	None
Data bit	8
Stop bit	1

Select OK button to finish configuration.

S/W Configuration

Loop Definition

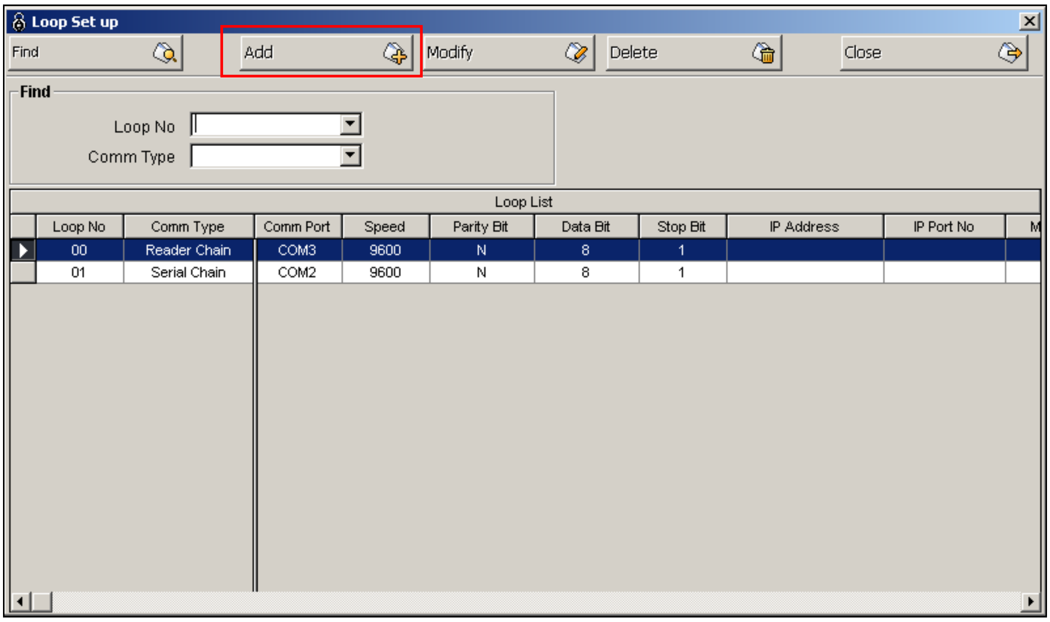
Loop definition describes Serial and TCP/IP communication loop connected to the PC. It supports up to 99 ports, but keep in mind depending on PC performance, memory, and OS, supporting 99 ports may not be possible. It is recommended to use adequate number of ports for usage.

- Start

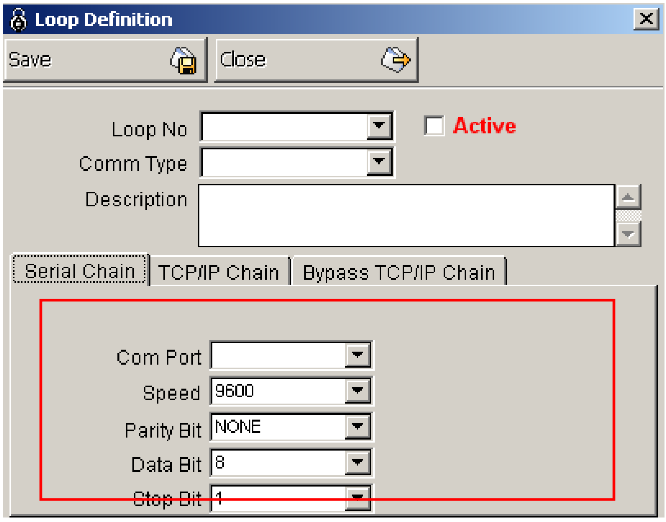
  Select Set Up-> Loop Definition or press Ctrl+A button on keyboard.

- Add

  Add is used to create the new data. Select Add to add ports through the input screen.



1) Select Add and the screen below appear.



2) Select Loop number. It will indicate Loop numbers not used.

3) Select communication type by Serial Chain, TCP/IP Chain, or Dial-Up Chain to setup communication.

4) Check mark Active for the correspond Loop to be able to communicate.

Decide if correspond Loop will be active for communication. Active check mark Loop No communicates, but without a check mark will result in no communication.

This option lets the user make the Loop inactive, if the Loop requires maintenance due to a problem in communication. User can fix the problem while other locations remain with active ports.

If the Loop data is modified, you must close the program and restart.

5) From Serial Chain tab, select Com Port, Speed, Parity Bit, Data Bit, and Stop Bit. Set the value as 9600 for Speed, NONE for Parity Bit, 8 for Data Bit, and 1 for Stop Bit as controller default set value.

Controller Definition

Controller Definition explains data definition of controller

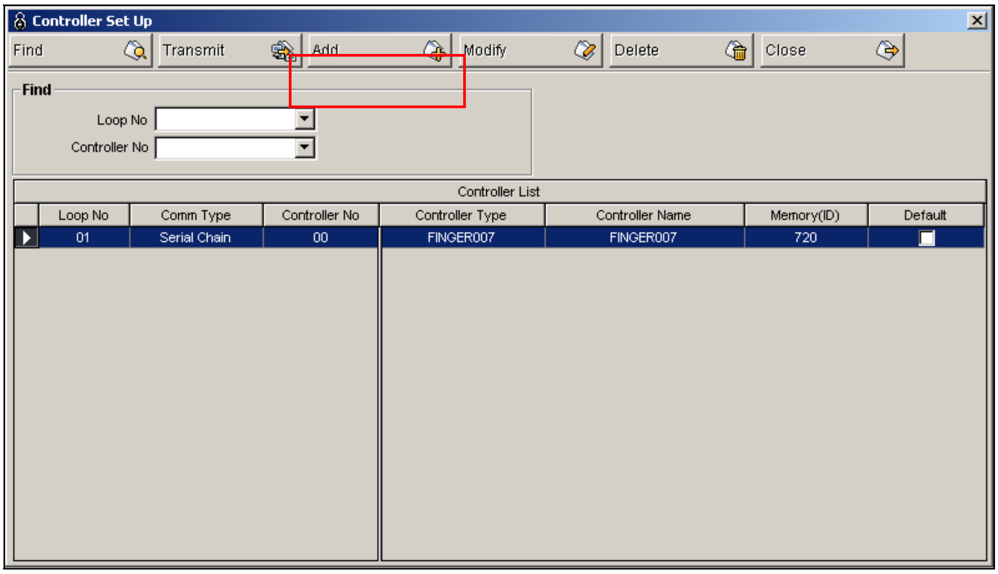
Each device has its own communication address. By address type, the S/W data is defined and communicated. Also, each device can have its own function options, and these options are sent to the devices for application.

- Start

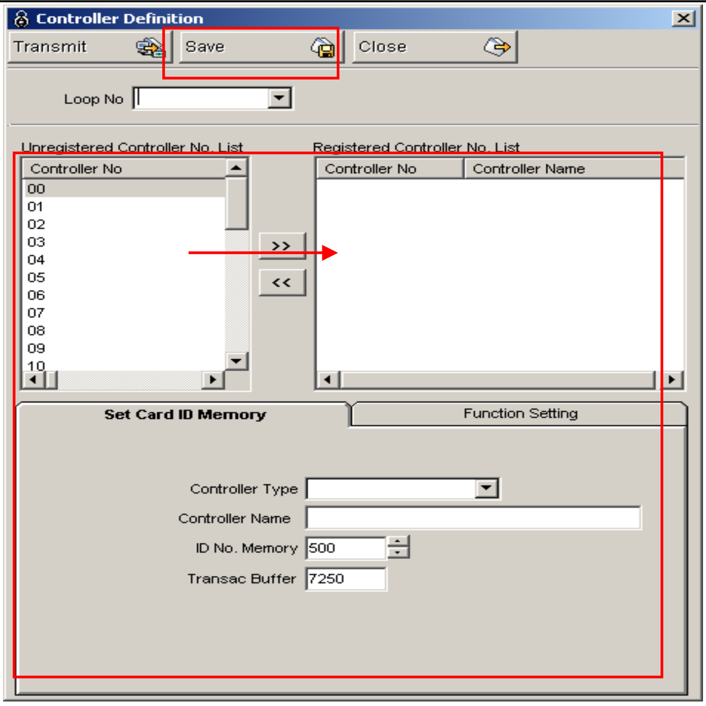
Select Set Up->Controller Definition or press Ctrl+B button on keyboard.

- Add

1) Add is used to create the new data. Select Add to add controllers through the input screen



2) Select Add and the following screen appear.



3) Select Loop No. It will display the Loop numbers from Loop registration.

4) Controller numbers not registered will be displayed in Unregistered Controller No. List. Select the Controller No. to register by selecting >> button or double clicking the controller number to add to the right hand side Registered Controller No. List window.

Controller registration must be done one at a time. This means after registering one controller number, you need to input the controller's default data. Once this is done, select Save button to save this controller's definition to finish. Repeat the procedure to add additional controllers.

5) Select Controller Type as controller type.

Controller Type
505R(M)
FINGER007
ICON100
SR505R
FINGER007SR
ICON100SR

6) Select Door Type as 1 Door for operation.

7) Input Controller Name. It must be done because it is used to locate which controller is having the event when an event occurs.

8) Card memory definition is setup. The event memory is automatically defined depending on card memory. Define adequate card and event memory for operation.

9) Controller Default value is optional (It is not necessary for operation)

10) Select Save button to save data.

11) Select Close button to finish.

Chapter 8

STARWATCH DUAL PRO II Dial Up Communication

STARWATCH DUAL PRO II ™ Dial-Up Communication

This chapter explains Dial-Up communication explanation, along with detailed configuration instruction and usage with Dual Pro™ program.

System Requirement

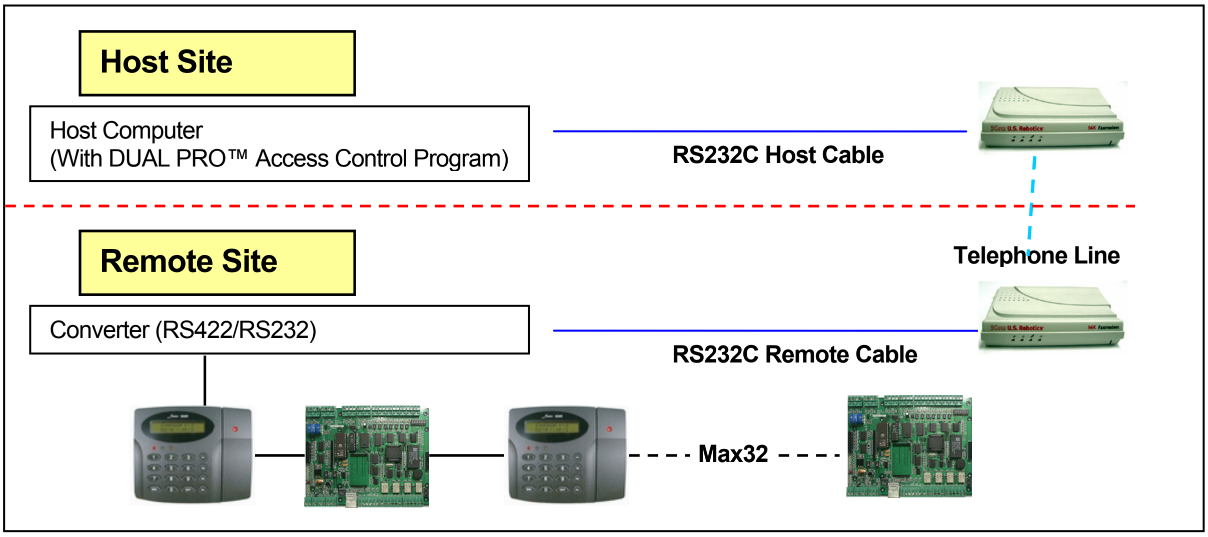
Dial-Up communication requires some devices for operation. It needs 2 modems for host and remote site connection.

Modem must be an external version for use, and the ability to auto answer function (Namely, when the host calls the remote modem, it answers to make connection)

The DUAL PRO™ system supports the following modem, and as possible uses this modem. Also, to have Dial-Up communication, it requires making of a separate communication cable one for the host site and one for the remote site.

- 3Com U.S Robotics 56K Fax External Modem 2 (Remote Site, Host Site) or NetComm(http://www.netcomm.com.au/) Roadster V92 Serial Modem 2
- Host, Remote Serial communication Cable

Dial-Up Communication Layout



Modem Configuration

Some configurations are required to setup the host and remote modem for operation. Configuration for communication speed and auto answer function is required.

To configure the modem, it needs the manual, driver, and modem cable included in the modem package.

To configure the modem environment, it requires the Hyper Terminal included in Windows.

If Hyper Terminal is not installed, go to Control Controller and open Program Add/Delete file to install the program.

Host Modem Setup

To setup the Host Modem, all you need to do is modify the communication speed using the driver and cable.

- Communication Speed Setup

  This function is used to calibrate communication speed between ACU device and modem to be equal. When the modem is first installed, the speed value is setup at maximum speed. However, ACU device speed is 9600BPS, so the modem speed needs to be setup as 9600BPS for configuration.

1) Install the modem to Window 2000 or XP, and then install the driver for modem recognition.

2) Go to Control Panel and select Phone and Modem file. Select on modem properties and change the speed to 9600bps. (After driver installation, the speed is automatically setup at 115200bps)

3) Use Hyper Terminal to send Initialize Command (ATZ) to the modem, and check the message OK appears.

4) Once the above process is completed, turn the power off and disconnect cable for setup completion.

Remote Modem Setup

To configure the Remote Modem, it needs the driver and modem cable included in the modem package to setup the communication speed and auto answer.

- Communication Speed Setup

1) Install the modem to Window 2000 or XP, and then install the driver for modem recognition.

2) Go to Control Controller and select Phone and Modem file. Select on modem properties and change the speed to 9600bps. (After driver installation, the speed is automatically setup at 115200bps)

3) Use Hyper Terminal to send Initialize Command (ATZ) to the modem, and check the message OK appears.

4) Once the above process is completed, turn the power off and disconnect cable for setup completion.

- Auto Answer Setup

1) Use Hyper Terminal to send Initialize Command (ATZ) to the modem, and check the message OK appears.

2) When OK message appears, input ATS0=1 and check the message OK appears.

3) When OK message appears, input AT&W and check the message OK appears.

4) Once the above process is completed, turn the power off and disconnect cable for setup completion.

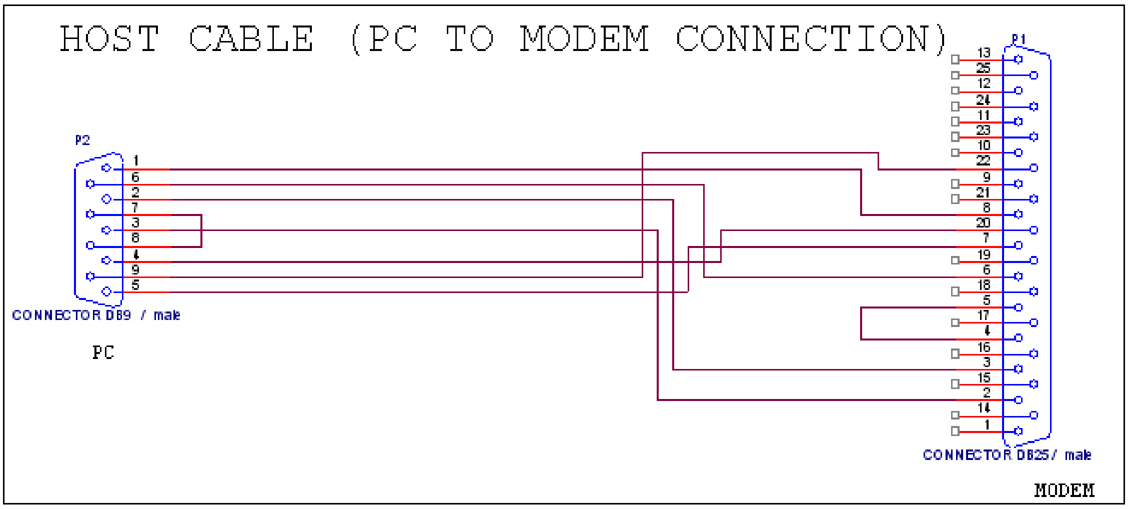
Serial Interface Pin Definitions

DB-25	DB-9	Circuit	Function	Signal Source Computer/Modem
1	-	AA	Chassis Ground	Both
2	3	BA	Transmitted Data	Computer
3	2	BB	Received Data	Modem
4	7	CA	Request to Send	Computer
5	8	CB	Clear to Send	Modem
6	6	CC	Data Set Ready	Modem
7	5	AB	Signal Ground	Both
8	1	CF	Carrier Detect	Modem
12	-	SCF	Speed Indicate	Modem
20	4	SD	Data Terminal Ready	Computer
22	9	CE	Ring Indicate	Modem

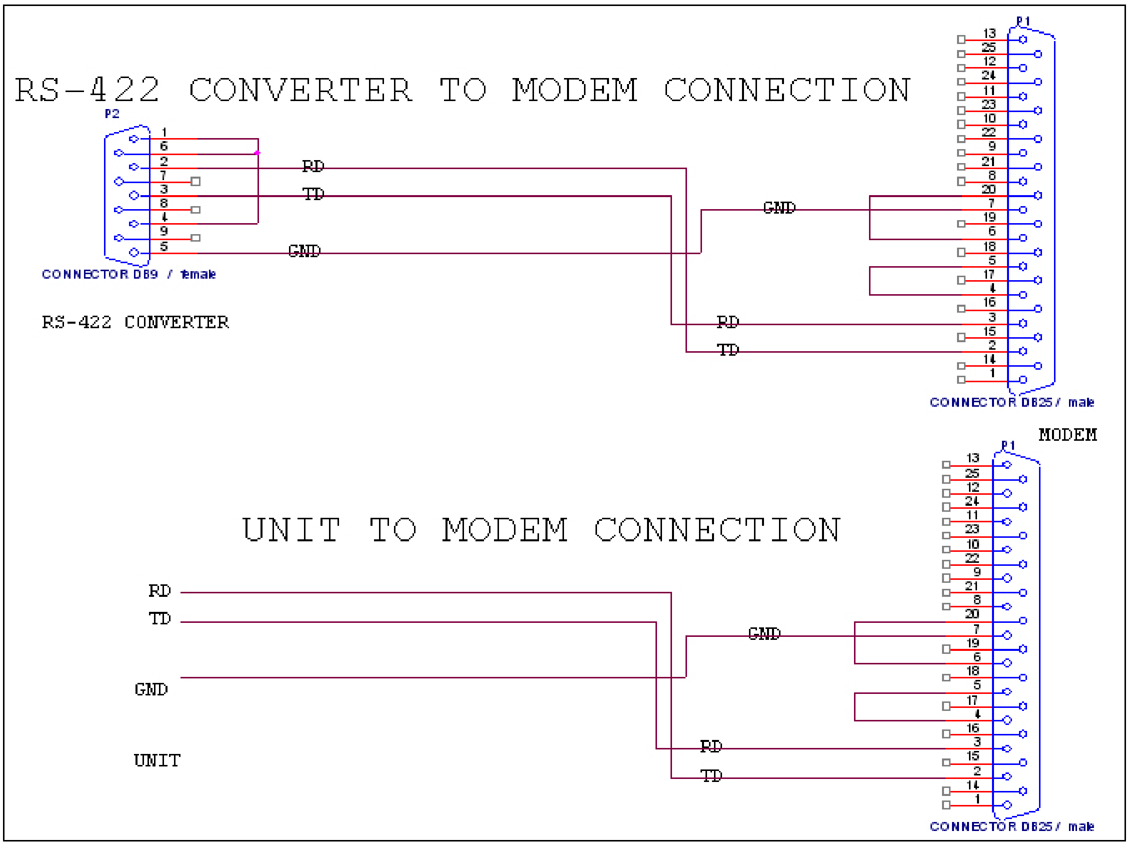
Cable

Dial-Up communication requires a separate making of a cable. Host and Remote cable making process is different to each other. Refer to the wire layout below for the procedure.

Host Cable



Remote Cable



S/W Configuration

Loop Definition

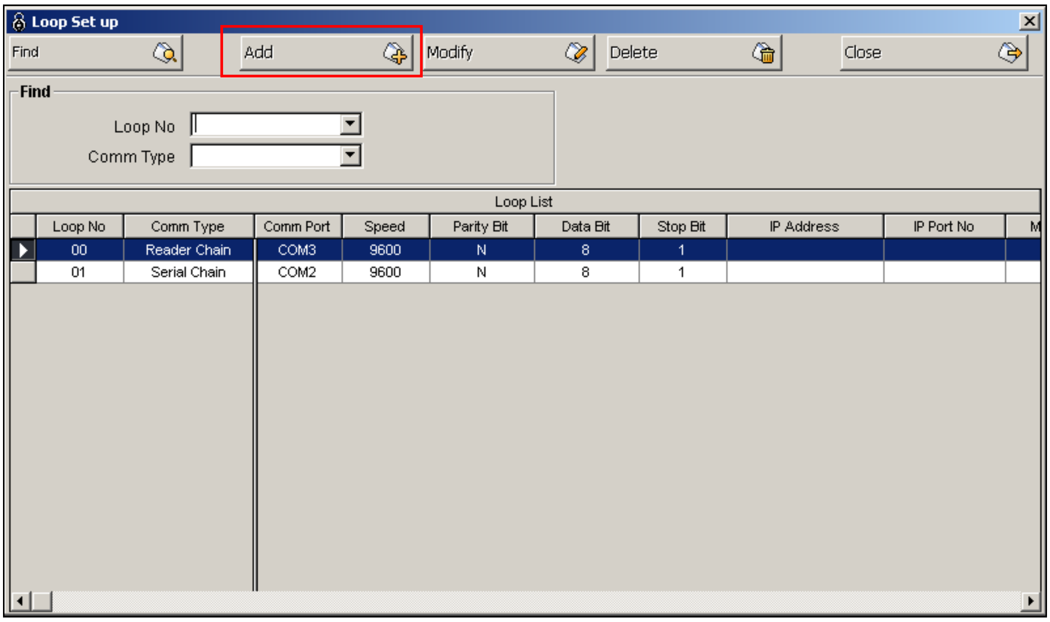
Loop definition describes Serial and TCP/IP communication loop connected to the PC. It supports up to 99 ports, but keep in mind depending on PC performance, memory, and OS, supporting 99 ports may not be possible. It is recommended to use adequate number of ports for usage.

- Start

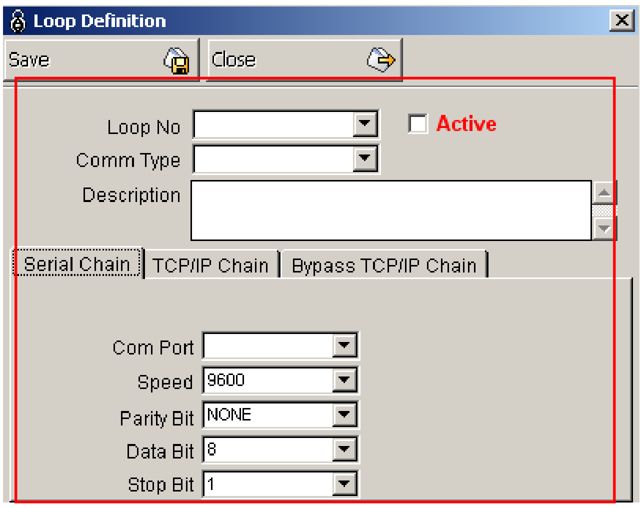
  Select Set Up-> Loop Definition or press Ctrl+A button on keyboard.

- Add

  Add is used to create the new data. Select Add to add ports through the input screen.



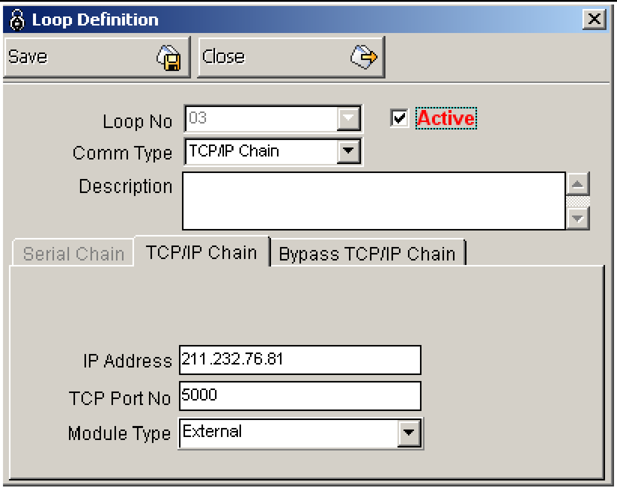
1) Select Add and the screen below appear.



2) Select Loop number. It will indicate Loop numbers not used.

3) Select communication type by Serial Chain, TCP/IP Chain, or Dial-Up Chain to setup communication.

4) Selecting TCP/IP Chain tab will change the screen as follows.



In the IP address window, input the address of the external TCP/IP converter (NetEye 1000SA).

Input 5000 as default value for TCP Loop No.

For Module Type, select internal or external (NetEye 1000s) as converter type.

Select Save to save the Loop data input, and select Close to finish.

> *For detailed explanation of TCP/IP communication, please refer to chapter 7 (TCP/IP communication) in STARWATCH DUAL PRO II™.*
>
> *Also, refer to chapter 8 regarding Dial-Up communication in STARWATCH DUAL PRO II™*

Controller Definition

Controller Definition explains data definition of controller

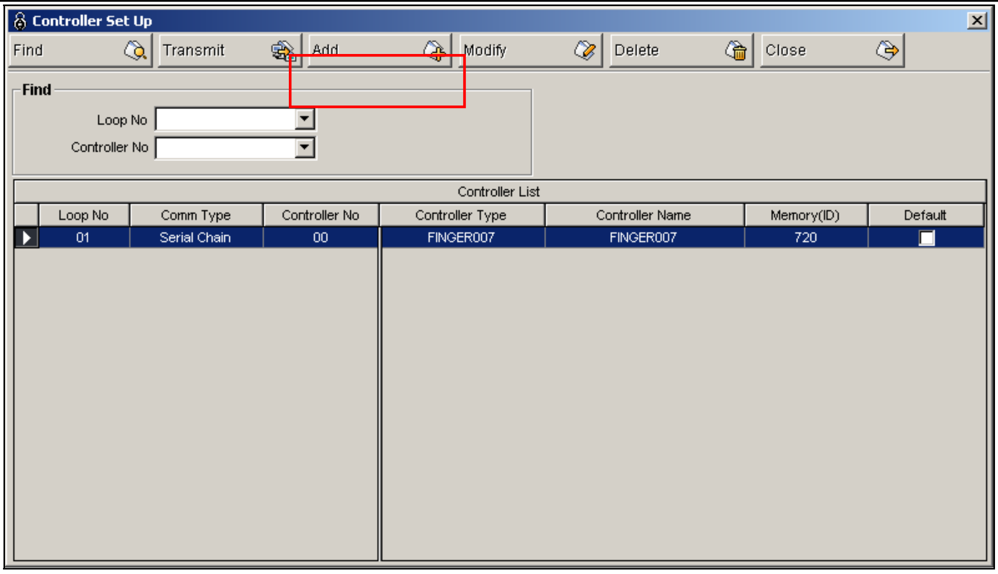
Each device has its own communication address. By address type, the S/W data is defined and communicated. Also, each device can have its own function options, and these options are sent to the devices for application.

- Start

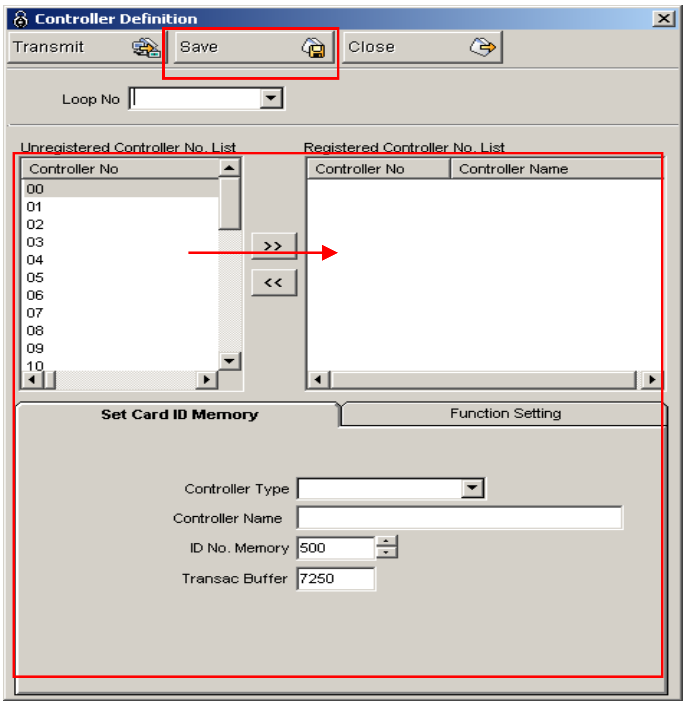
  Select Set Up->Controller Definition or press Ctrl+B button on keyboard.

- Add

1) Add is used to create the new data. Select Add to add controllers through the input screen



2) Select Add and the following screen appear.



3) Select Loop No. It will display the Loop numbers from Loop registration.

4) Controller numbers not registered will be displayed in Unregistered Controller No. List. Select the Controller No. to register by selecting >> button or double clicking the controller number to add to the right hand side Registered Controller No. List window.

Controller registration must be done one at a time. This means after registering one controller number, you need to input the controller's default data. Once this is done, select Save button to save this controller's definition to finish. Repeat the procedure to add additional controllers.

5) Select Controller Type as controller type.

Controller Type
505R(M)
FINGER007
ICON100
SR505R
FINGER007SR
ICON100SR

6) Select Door Type as 1 Door for operation.

7) Input Controller Name. It must be done because it is used to locate which controller is having the event when an event occurs.

8) Card memory definition is setup. The event memory is automatically defined depending on card memory. Define adequate card and event memory for operation.

9) Controller Default value is optional (It is not necessary for operation)

10) Select Save button to save data.

11) Select Close button to finish.

Dial-Up Connection

Dial-Up Connection uses standard phone line to connect to a remote device for communication. External modems are required for each site at remote and host to connect by phone line.

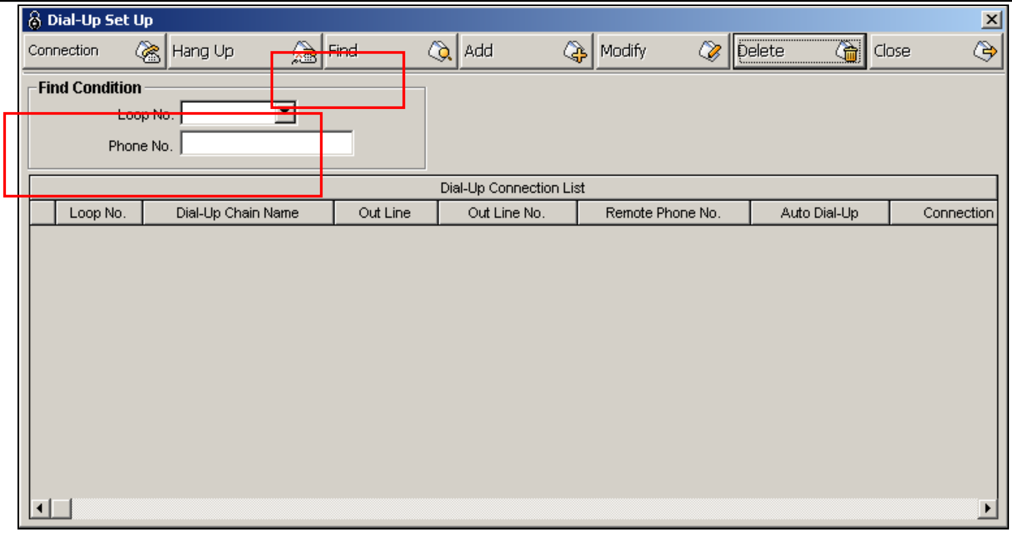
Also, Dial-Up Connection Management can be used to manage multiple location registration, and when needed initiate the location's remote device and communication.

- Start

  Select Set Up->System Management->Dial-Up Connection List or press shortcut key Ctrl+G.

- Find

  Find is used to get relevant information pertaining to the inquiry when information is available. It is used to edit and delete the existing data information.



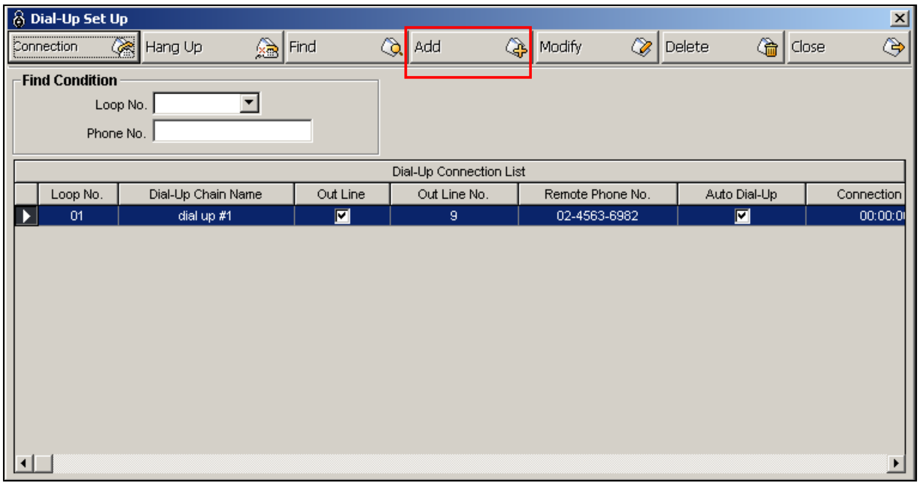
1) Input Find Condition

2) Select Find to make an inquiry. If inquired result is available, the following screen appears.

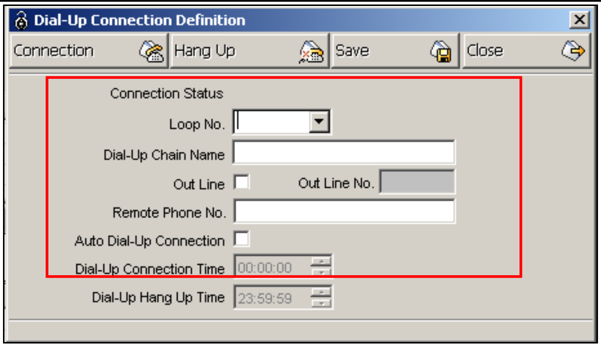
If find has no specific parameters, it will display the entire information

■ Add

Add is used to create new data. Select Add button to add Dial-Up Connection area data through input screen.



1) Select Add button, and the following screen appear



2) Select Loop No. You can only select the Loop that was configured for Dial-Up Connection.

3) Input Dial-Up Chain Name.

4) Check mark Out Line if setup, and input Out Line No.

5) Input Remote Phone No. connected to remote modem.

6) Check mark Auto Dial-Up Connection if setup, and configure connection and disconnection time.

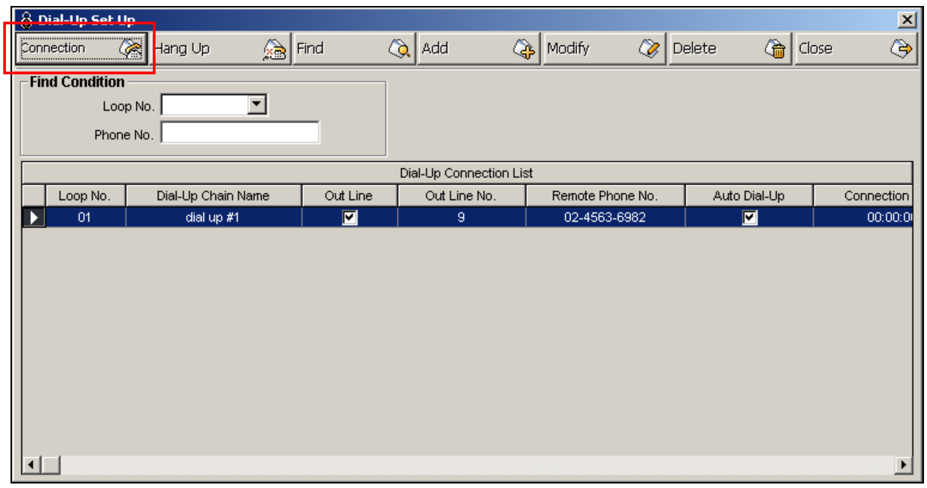
When configuring Auto Dial-Up Connection, make certain that connection and disconnection time does not overlap in multiple location setups. This will cause abnormal operation.

7) Select Save button to save input data. Select Close button to finish.

In Dial-Up Connection, connection failure can be frequent depending on phone line and modem status. This is a special characteristic occurrence, and if 2-3 reattempts are made normal connection is established.

■ Dial

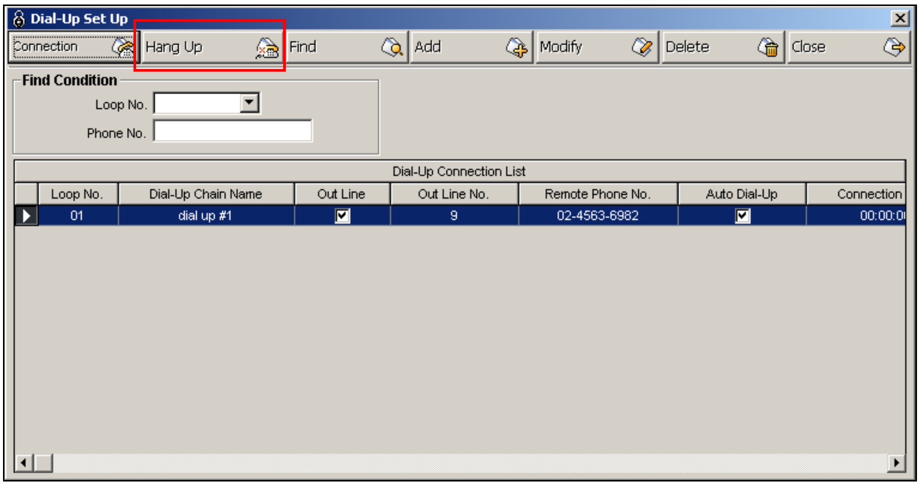
Dial can be used in Dial-Up Connection List, Add, and Modify screen, but we recommend use as possible in the Dial-Up Connection List screen.



1) Use Find to locate connection or select from Dial categories to connect. Selected location is highlighted.

2) Select Dial for connection attempt.

■ Hang Up



1) Select current established connect location.

2) Select Hang Up to disconnect.

Chapter 9 Multi Language Setup

DUAL PRO™ Program Multi Language Setup

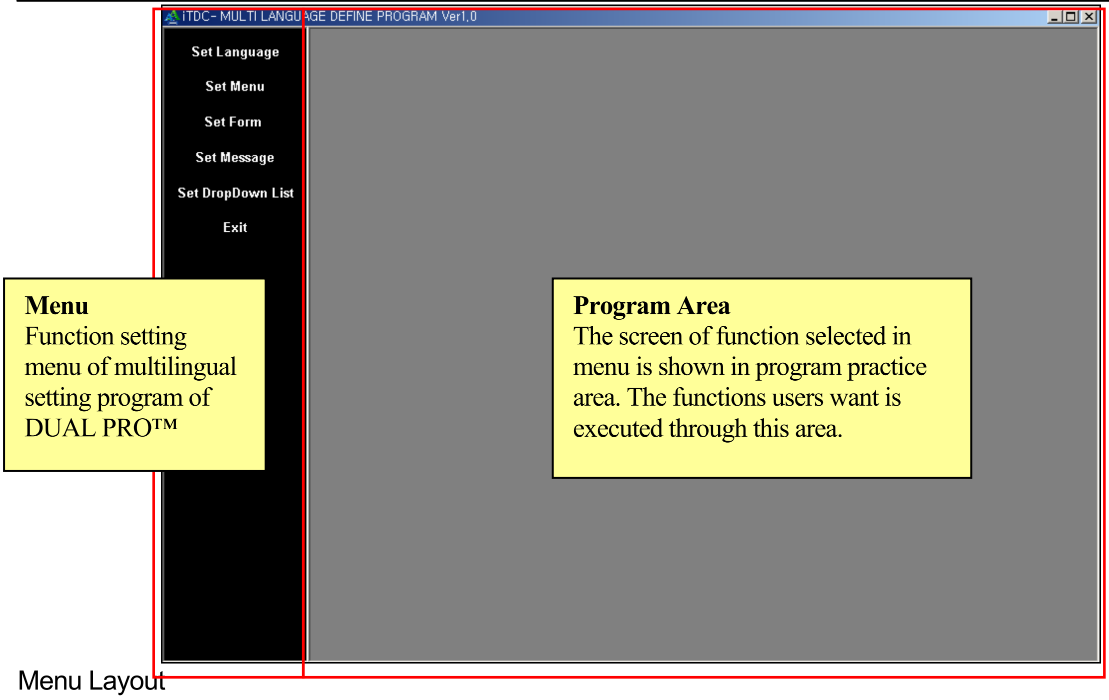
This chapter explains DUAL PRO™ Program Multi Language Setup instruction.

Using Multi Language Setup Program

The DUAL PRO™ Multi Language Setup Program is used to configure DUAL PRO™ Program multi language support. It is for the user to configure the language preference, form, menu, drop down list, and message functions to input and modify data.

Screen Layout

Initiating the DUAL PRO™ Multi Language Setup Program will display the following screen. Main window consist of left hand side menu and right hand side function types.



Menu Layout

Multi Language Setup Program menu and its function types are the following.

- ✓ Set Language

  Configure language preference by character style.

- ✓ Set Menu

  Configure language preference for the top part menu display.

- ✓ Set Form

  Configure language preference for characters in input/output on screen display.

- ✓ Set Message

  Configure language preference for characters in message display.

- ✓ Set DropDown List

  Configure language preference for characters in all Drop Down Combo display.

- ✓ Set Etc

  Configure language preference for the remaining categories.

- ✓ Exit

  Save configuration.

Set Language

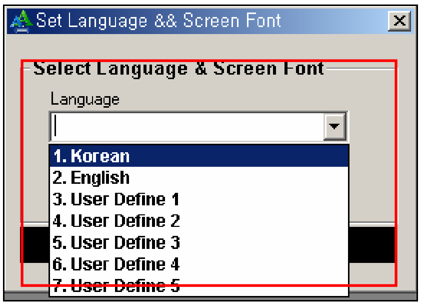
Language configuration is the setup of fonts for each language type.

- ■ Start

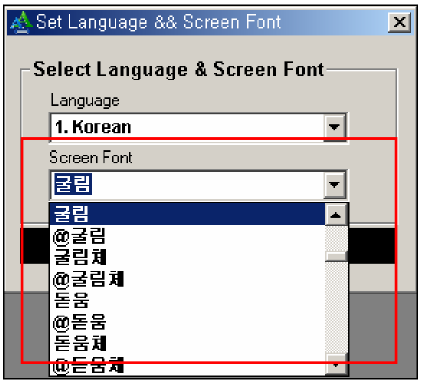
Select Set Language from left hand side menu.

■ Setup

1) Select language used in language category.



2) Select Screen Font



3) Select Save button to save data.

Set Menu

Setup language preference for top part of menu.

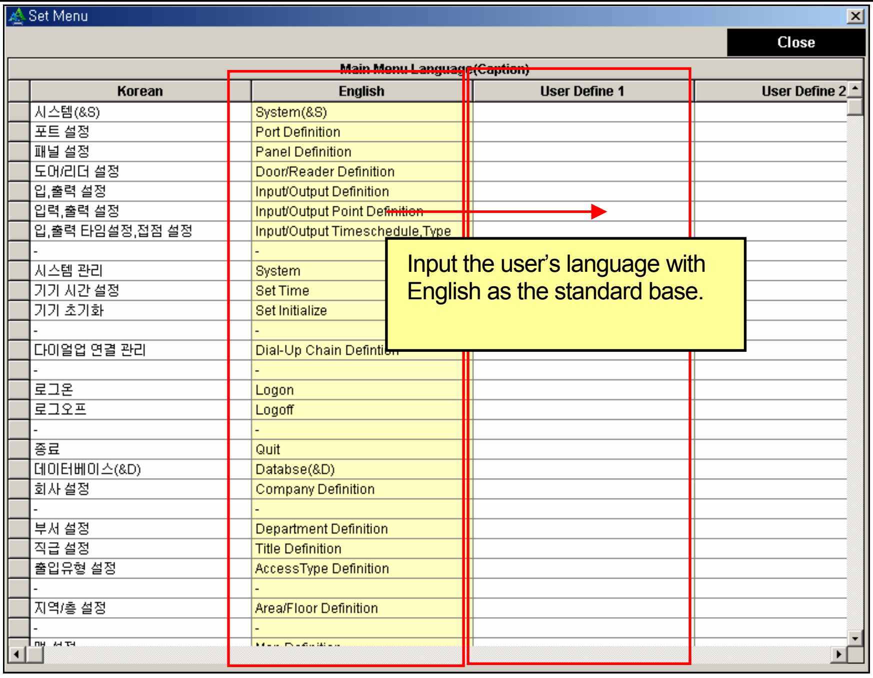
■ Start

Select Set Menu from left hand side menu.

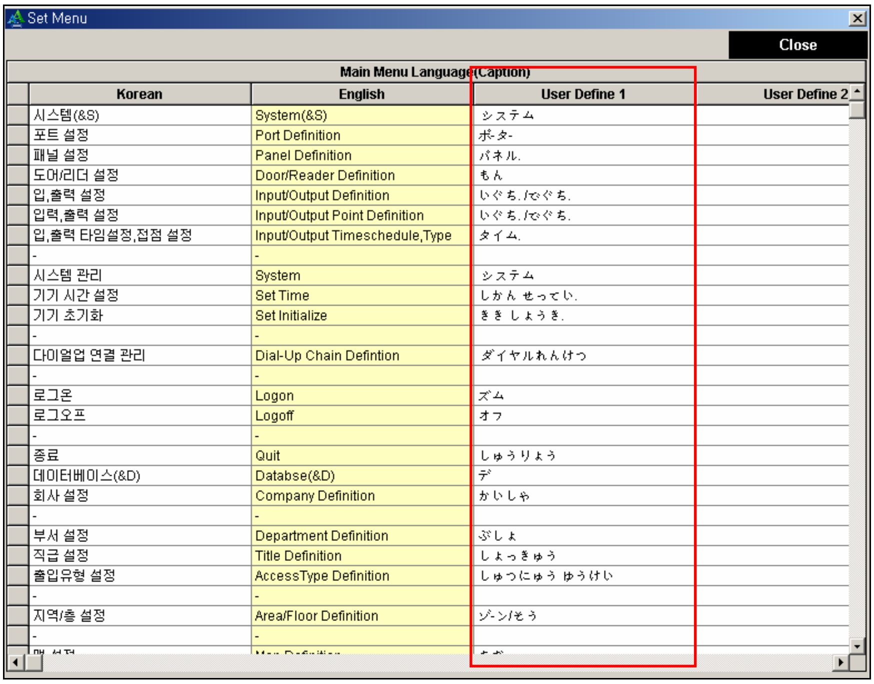
■ Setup

Multi Language input screen display the following, and the Korean and English languages are shown. Input the user's language with English as the standard base.

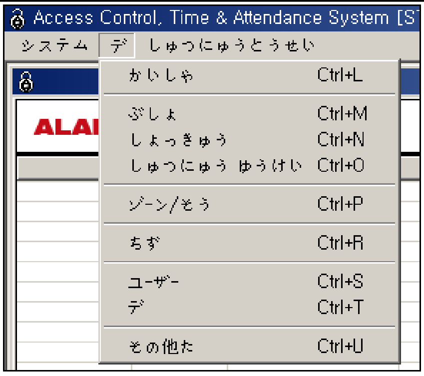
For example, if using User Define 1 language, input the language preference by looking at the English Row.



The above input will display the following screen. If all inputs are completed, select Close button to finish. Inputs are saved automatically without a separate save function. All user needs to do is input data.



As shown above, input the menu caption then select User Language 1 in DUAL PRO™ program, and it will display the following screen below.



Set Form

Setup of characters displayed in all input/output screen display.

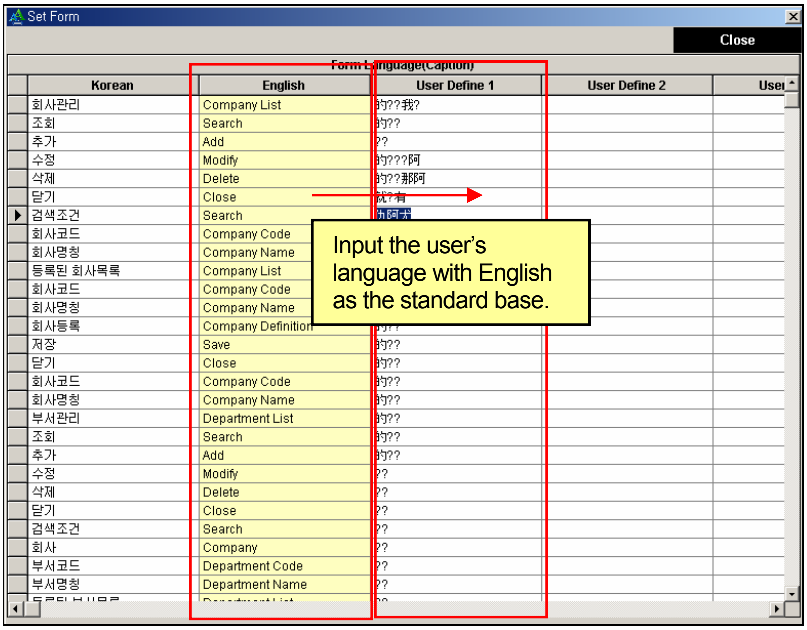
■ Start

Select Set Form from left hand side menu.

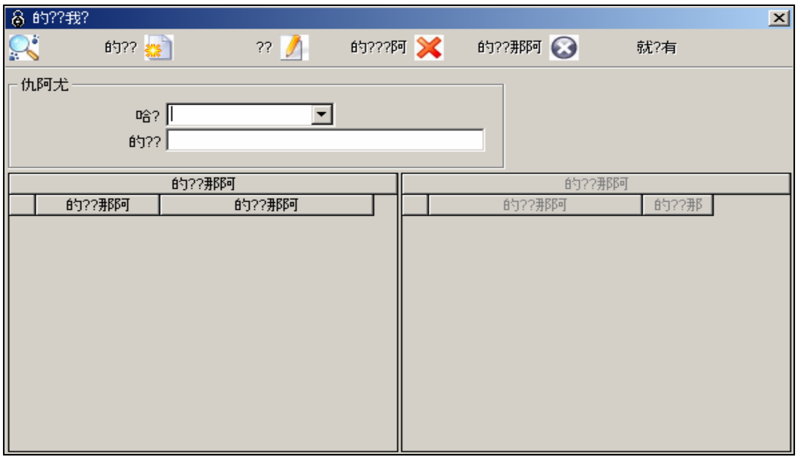
■ Setup

Multi Language input screen display the following, and the Korean and English language can be seen. Input the user's language with English as the standard base.

For example, if using User Define 1 language, input the language preference by looking at the English Row.



As shown above, input the form caption then select User Language 1 in DUAL PRO™ program and it will display the following screen below.



Set Message

Setup of language message display in DUAL PRO™ program.

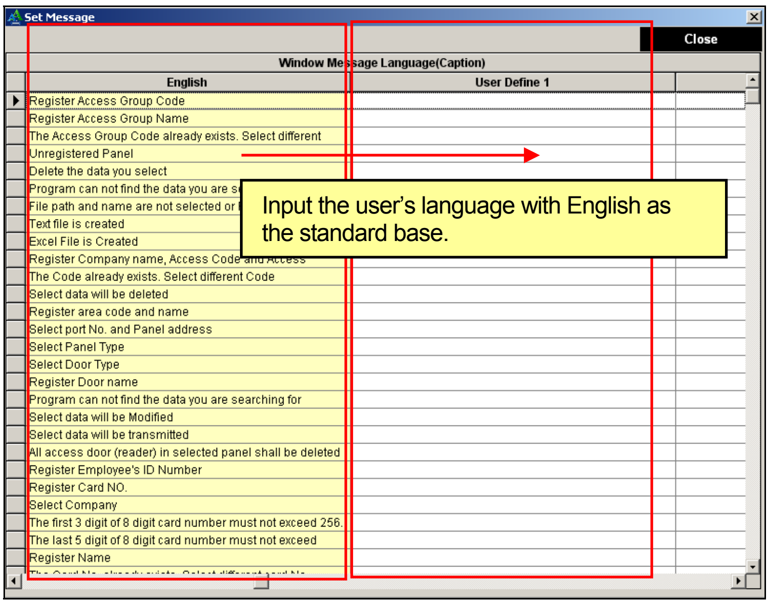
- Start

  Select Set Message from left hand side menu.

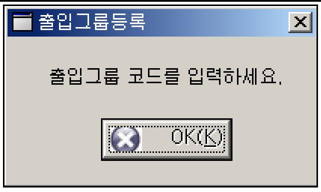
- Setup

  Multi Language input screen display the following, and the Korean and English language can be seen. Input the user's language with English as the standard base.

  For example, if using User Define 1 language, input the language preference by looking at the English Row.



Message box display of Language: 1.Korean setup.



Message box display of Language: User Language1 setup.



Set DropDownList

Configure language preference for input/output in all Drop Down Combo display.

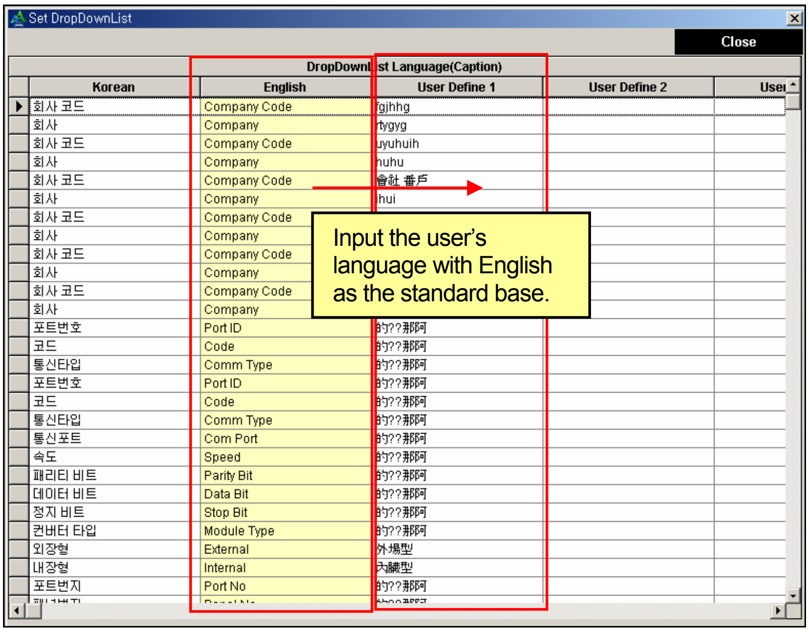
- Start

  Select Set DropDownList from left hand side menu.

- Setup

  Multi Language input screen display the following, and the Korean and English language can be seen. Input the user's language with English as the standard base.

  For example, if using User Define 1 language, input the language preference by looking at the English Row.



DropDownList display of Language: 1.Korean setup.

코드	통신타입
1	Serial Chain
2	TCP/IP Chain
3	Dial-Up Chain

DropDownList display of Language: User Language1 setup.

的??那阿	的??那阿
1	Serial Chain
2	TCP/IP Chain
3	Dial-Up Chain

Set Etc

Setup of language for default value input items.

- Start

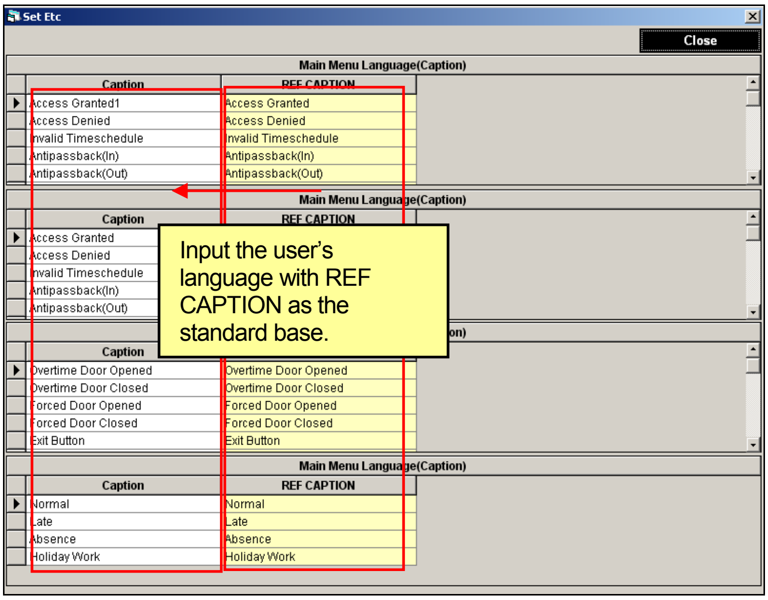
  Select Set Etc from left hand side menu.

- Setup

  Initiating the Multi Language input screen will display the following. Input language preference in CAPTION column using REF CAPTION as base. A separate column for Etc is not available. These values cannot be setup due to fixed value setup in database.

  However, using REF CAPTION as base to modify the CAPTION column value, the fixed value of data language can be modified.

  REF CAPTION cannot be modified. This value is for reference to language modification. The actual character displayed in program is the CAPTION column value.



The modified details in DUAL PRO™ Multi Language Setup Program is applied immediately without rebooting the DUAL PRO™ program.

However, the current running screen needs to be closed and reopened to display the modified language.

Chapter 11

STARWATCH DUAL PRO II Additional Function

Functions added to STARWATCH DUAL PRO II

: Applied only to STARWATCH DUAL PRO II v1.02 or over.

Added functions

Monitoring

- **Total monitoring on one screen**
  - All in one screen display of event status, alarm status, user data of current event with photo, map showing location of event with icons, video image of the event, events sorted by door at the same time.
  - Real time door status display and control with door icon on the map, video record data listing and its play.
- **Real time video monitoring and recording on access and alarm events**
  - All in one screen display of event status, alarm status, user data of current event with photo, map showing location of event with icons, video image of the event, events sorted by door at the same time.
  - Real time video monitoring on the door with video devices.
  - Recorded video recording and play by event type.

- **Video monitoring on the map screen and map setting screen.**
  - Camera icon setting playing its live view in order to find easily its location..
  - Event location display on the map screen with live video.

- **SMS Service**
  - Event data message service to mobile phone numbers
  - Message service option by event types.

System management

- **Output definition**
  - All the devices connected to the outputs of controllers can be defined by user.
    ex: Emergency door , Alarm, siren etc.

- **Output status display and control**
  - Real time monitoring of output status and control

- **Batch transmission of system setting data by specific controller**
  - Useful to download controller system setting values at once in case of initial system setting or after initialization of controllers

- **Batch transmission of card holder data by specific controllers**
  - Useful to download card holder data at once in case of initial system setting or after initialization of controllers.

- **Bio readers of FGR006SR , FINGER006SR, FACE006 management**
  - **FGR006SR , FINGER006SR, FACE006 system setting**
  - **FGR006SR , FINGER006SR, FACE006 fingerprint template upload/download**

- **Bio controller of FACE007 management**
  - **FACE007 system setting**
  - **FACE007 face template upload/download**

Time & Attendance management

- **Work schedule setting by day**
  - Work in, Work out, Lunch, extra work time setting by day
  - Holiday setting by day

Card holder management

- **Bio template upload/download**
  - Upload/download of bio templates of card holders registered in bio reader

- **Extra port for card reader only for registration**
  - Automatic card registration by card reading
  - Direct connection to PC

- **Extra fields for user to define**
  - Extra 10 user data field in the card holder management section besides basic
  - Card holder data field.
  - Data connection to ID Badging system

- **ID Badging integration**
  - Pre-view of user card printing image
  - Interconnection of data base with ID Badging in pre-view screen

A. Detailed description of functions added.

Monitoring

- Integrated monitoring on one screen
- Live video monitoring and recording by event
- Live video display on map setting screen and map screen
- SMS Service

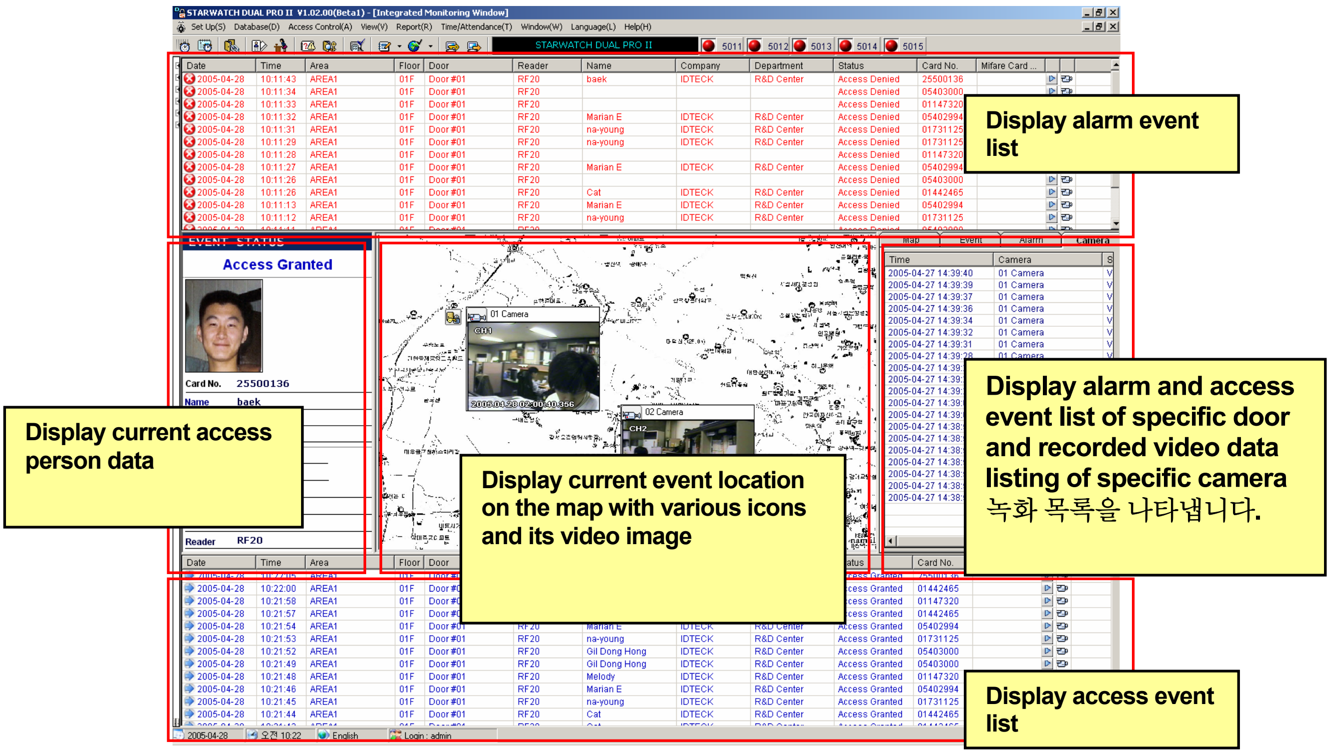
○ Integrated Monitoring Windows

Display on one screen event status, map display, video image.

■ Start

Choose View->Event status-> integrated monitoring

■ Integrated monitoring window

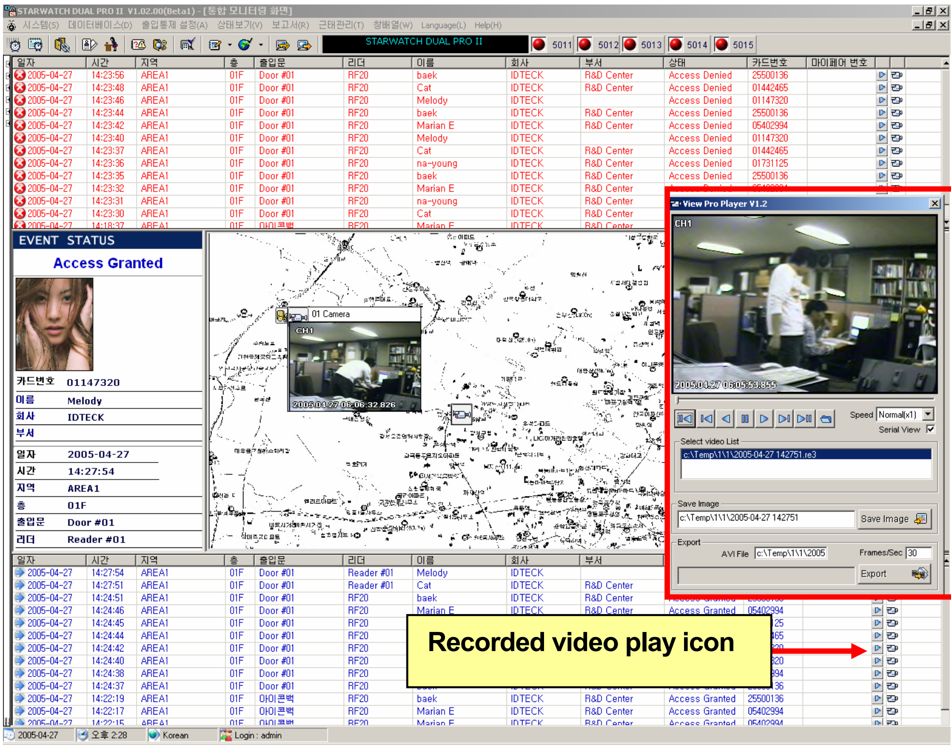


■ Recorded video play

It records video image by type of events according to user definition in condition that IDTECK web sever and CCD cameras are connected to the software.

In case of an event occurrence, it records its video image and show the recorded video icon on the event list.

In order to replay the recorded video, click the icon( ) on the event list.



- Recorded video play window provides various options of video control

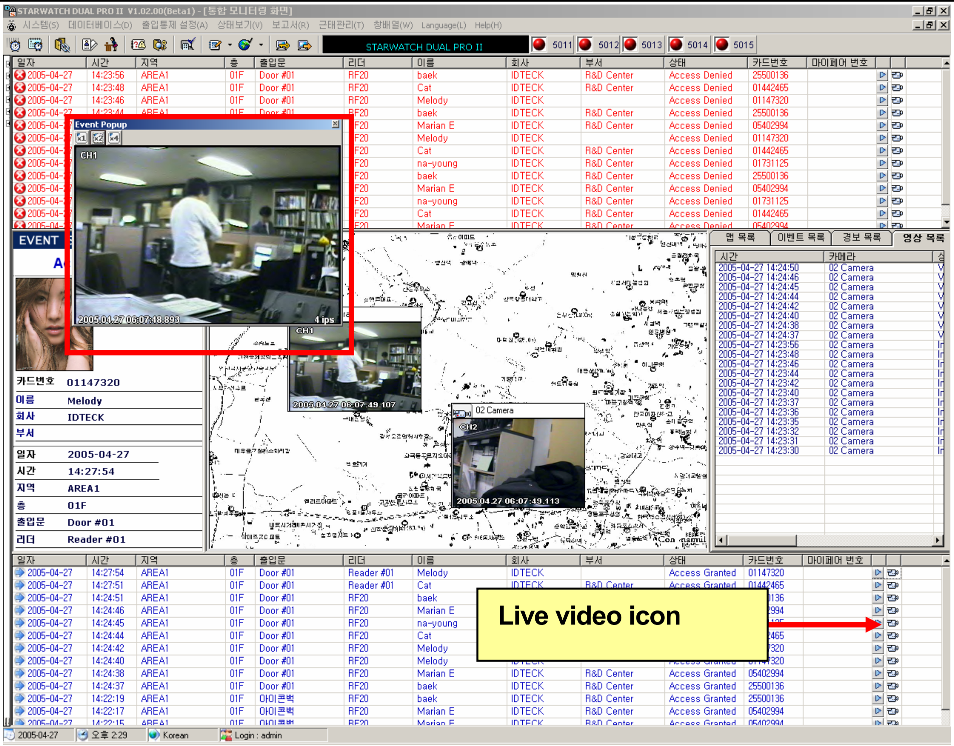
- Still vide cut image can be exported as an image file (JPG, bmp etc.)

- Recorded video can be exported as an video file(avi, etc)

■ Live video monitoring

It display live video image by type of events as user define in case that IDTECK web sever and cameras are connected.

In case that an event occurs, it display live video of the site where the event occurs and the live video icon( ) shows on event list. In order to view the live video of the site of the event, click the live video icon.



- Users can adjust the size of live video window with screen size icon.

- Users can control PAN/TILT/ZOOM (PTZ) in case of connection with cameras with PTZ function on the live video play screen.

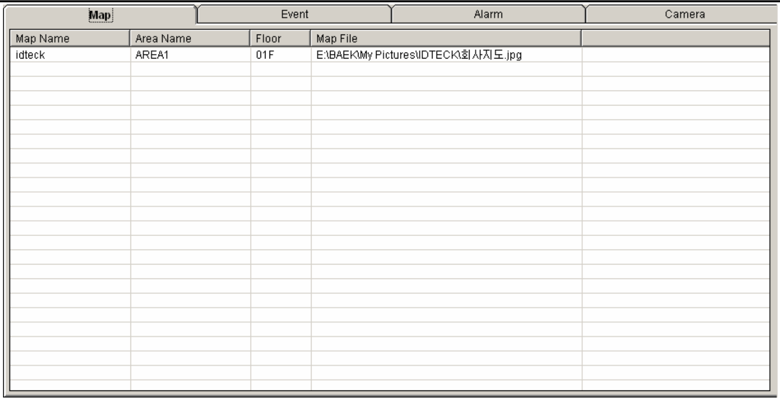
■ Monitoring tap

On the right side of map monitoring window, the monitoring tap provides various text information.

Map list of places applied access control, access and alarm event list of specific door, recorded video image list of specific cameras.

− **Map list**

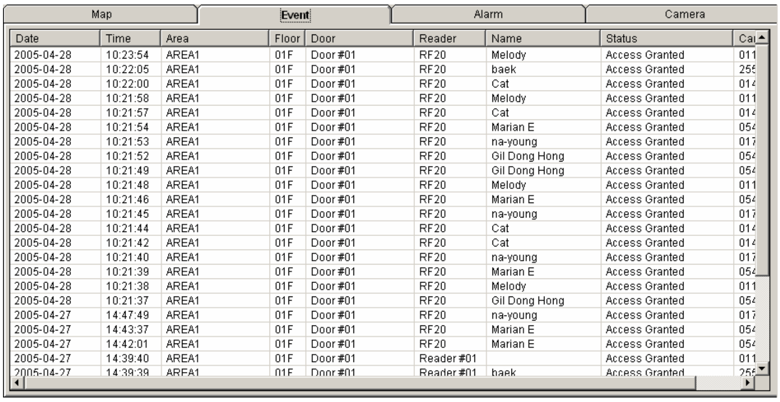
Users can choose a map to display on the map screen from their list.



Map Name	Area Name	Floor	Map File
idteck	AREA1	01F	E:\BAEK\My Pictures\IDTECK\회사지도.jpg

− Event list

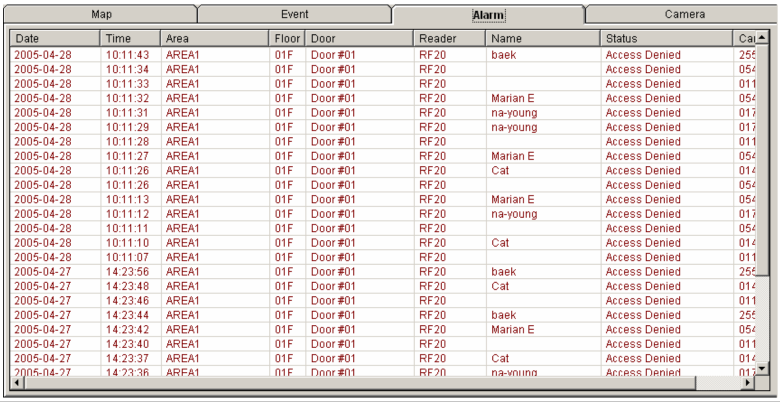
It displays the access events of the door chosen on the map screen by users.



Date	Time	Area	Floor	Door	Reader	Name	Status	Car
2005-04-28	10:23:54	AREA1	01F	Door #01	RF20	Melody	Access Granted	011
2005-04-28	10:22:05	AREA1	01F	Door #01	RF20	baek	Access Granted	255
2005-04-28	10:22:00	AREA1	01F	Door #01	RF20	Cat	Access Granted	014
2005-04-28	10:21:58	AREA1	01F	Door #01	RF20	Melody	Access Granted	011
2005-04-28	10:21:57	AREA1	01F	Door #01	RF20	Cat	Access Granted	014
2005-04-28	10:21:54	AREA1	01F	Door #01	RF20	Marian E	Access Granted	054
2005-04-28	10:21:53	AREA1	01F	Door #01	RF20	na-young	Access Granted	017
2005-04-28	10:21:52	AREA1	01F	Door #01	RF20	Gil Dong Hong	Access Granted	054
2005-04-28	10:21:49	AREA1	01F	Door #01	RF20	Gil Dong Hong	Access Granted	054
2005-04-28	10:21:48	AREA1	01F	Door #01	RF20	Melody	Access Granted	011
2005-04-28	10:21:46	AREA1	01F	Door #01	RF20	Marian E	Access Granted	054
2005-04-28	10:21:45	AREA1	01F	Door #01	RF20	na-young	Access Granted	017
2005-04-28	10:21:44	AREA1	01F	Door #01	RF20	Cat	Access Granted	014
2005-04-28	10:21:42	AREA1	01F	Door #01	RF20	Cat	Access Granted	014
2005-04-28	10:21:40	AREA1	01F	Door #01	RF20	na-young	Access Granted	017
2005-04-28	10:21:39	AREA1	01F	Door #01	RF20	Marian E	Access Granted	054
2005-04-28	10:21:38	AREA1	01F	Door #01	RF20	Melody	Access Granted	011
2005-04-28	10:21:37	AREA1	01F	Door #01	RF20	Gil Dong Hong	Access Granted	054
2005-04-27	14:47:49	AREA1	01F	Door #01	RF20	na-young	Access Granted	017
2005-04-27	14:43:37	AREA1	01F	Door #01	RF20	Marian E	Access Granted	054
2005-04-27	14:42:01	AREA1	01F	Door #01	RF20	Marian E	Access Granted	054
2005-04-27	14:39:40	AREA1	01F	Door #01	Reader #01		Access Granted	011
2005-04-27	14:39:39	AREA1	01F	Door #01	Reader #01	baek	Access Granted	255

−Alarm list

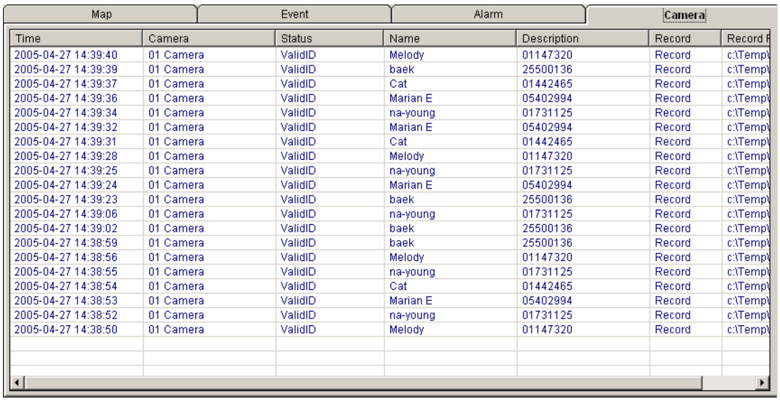
It displays the alarm events of the door chosen on the map screen by users.



Date	Time	Area	Floor	Door	Reader	Name	Status	Car
2005-04-28	10:11:43	AREA1	01F	Door #01	RF20	baek	Access Denied	255
2005-04-28	10:11:34	AREA1	01F	Door #01	RF20		Access Denied	054
2005-04-28	10:11:33	AREA1	01F	Door #01	RF20		Access Denied	011
2005-04-28	10:11:32	AREA1	01F	Door #01	RF20	Marian E	Access Denied	054
2005-04-28	10:11:31	AREA1	01F	Door #01	RF20	na-young	Access Denied	017
2005-04-28	10:11:29	AREA1	01F	Door #01	RF20	na-young	Access Denied	017
2005-04-28	10:11:28	AREA1	01F	Door #01	RF20		Access Denied	011
2005-04-28	10:11:27	AREA1	01F	Door #01	RF20	Marian E	Access Denied	054
2005-04-28	10:11:26	AREA1	01F	Door #01	RF20	Cat	Access Denied	014
2005-04-28	10:11:26	AREA1	01F	Door #01	RF20		Access Denied	054
2005-04-28	10:11:13	AREA1	01F	Door #01	RF20	Marian E	Access Denied	054
2005-04-28	10:11:12	AREA1	01F	Door #01	RF20	na-young	Access Denied	017
2005-04-28	10:11:11	AREA1	01F	Door #01	RF20		Access Denied	054
2005-04-28	10:11:10	AREA1	01F	Door #01	RF20	Cat	Access Denied	014
2005-04-28	10:11:07	AREA1	01F	Door #01	RF20		Access Denied	011
2005-04-27	14:23:56	AREA1	01F	Door #01	RF20	baek	Access Denied	255
2005-04-27	14:23:48	AREA1	01F	Door #01	RF20	Cat	Access Denied	014
2005-04-27	14:23:46	AREA1	01F	Door #01	RF20		Access Denied	011
2005-04-27	14:23:44	AREA1	01F	Door #01	RF20	baek	Access Denied	255
2005-04-27	14:23:42	AREA1	01F	Door #01	RF20	Marian E	Access Denied	054
2005-04-27	14:23:40	AREA1	01F	Door #01	RF20		Access Denied	011
2005-04-27	14:23:37	AREA1	01F	Door #01	RF20	Cat	Access Denied	014
2005-04-27	14:23:36	AREA1	01F	Door #01	RF20	na-young	Access Denied	017

– **Recorded video image list**

It displays the recorded video images of the camera chosen on the map screen by users.



Time	Camera	Status	Name	Description	Record	Record F
2005-04-27 14:39:40	01 Camera	ValidID	Melody	01147320	Record	c:\Temp\
2005-04-27 14:39:39	01 Camera	ValidID	baek	25500136	Record	c:\Temp\
2005-04-27 14:39:37	01 Camera	ValidID	Cat	01442465	Record	c:\Temp\
2005-04-27 14:39:36	01 Camera	ValidID	Marian E	05402994	Record	c:\Temp\
2005-04-27 14:39:34	01 Camera	ValidID	na-young	01731125	Record	c:\Temp\
2005-04-27 14:39:32	01 Camera	ValidID	Marian E	05402994	Record	c:\Temp\
2005-04-27 14:39:31	01 Camera	ValidID	Cat	01442465	Record	c:\Temp\
2005-04-27 14:39:28	01 Camera	ValidID	Melody	01147320	Record	c:\Temp\
2005-04-27 14:39:25	01 Camera	ValidID	na-young	01731125	Record	c:\Temp\
2005-04-27 14:39:24	01 Camera	ValidID	Marian E	05402994	Record	c:\Temp\
2005-04-27 14:39:23	01 Camera	ValidID	baek	25500136	Record	c:\Temp\
2005-04-27 14:39:06	01 Camera	ValidID	na-young	01731125	Record	c:\Temp\
2005-04-27 14:39:02	01 Camera	ValidID	baek	25500136	Record	c:\Temp\
2005-04-27 14:38:59	01 Camera	ValidID	baek	25500136	Record	c:\Temp\
2005-04-27 14:38:56	01 Camera	ValidID	Melody	01147320	Record	c:\Temp\
2005-04-27 14:38:55	01 Camera	ValidID	na-young	01731125	Record	c:\Temp\
2005-04-27 14:38:54	01 Camera	ValidID	Cat	01442465	Record	c:\Temp\
2005-04-27 14:38:53	01 Camera	ValidID	Marian E	05402994	Record	c:\Temp\
2005-04-27 14:38:52	01 Camera	ValidID	na-young	01731125	Record	c:\Temp\
2005-04-27 14:38:50	01 Camera	ValidID	Melody	01147320	Record	c:\Temp\

- Real time door status monitoring

  It shows the door open/close status in real time by door icon on the map.

- Door control

  Users can open or close doors on the map screen.

  On the door icon, click right mouth button to control it.

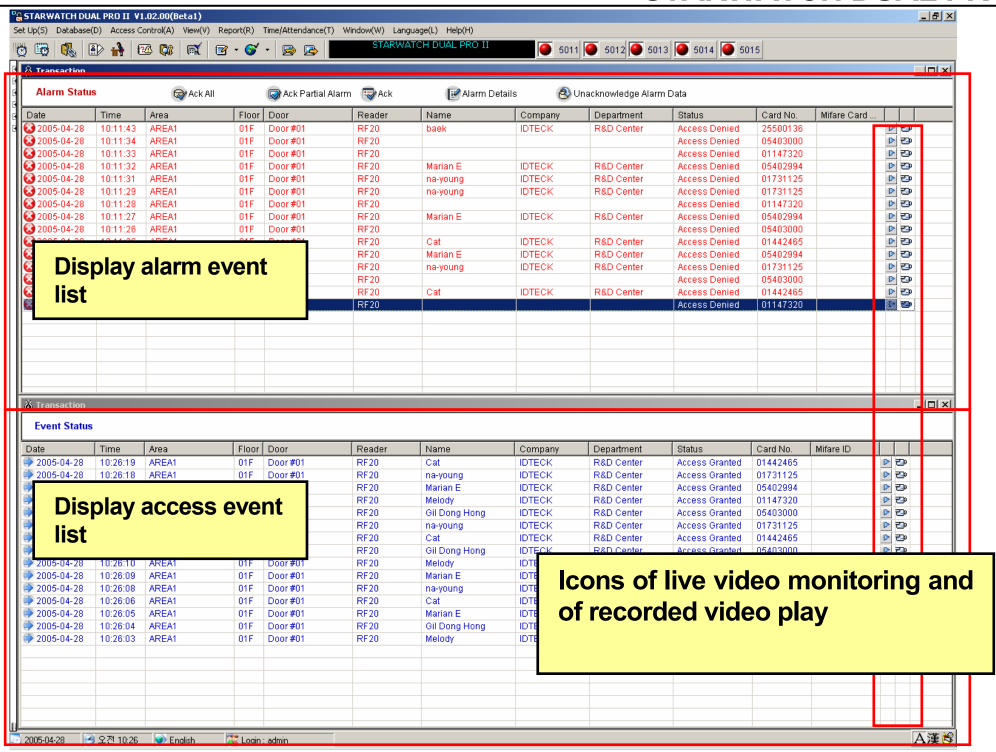
○ Live video monitoring and recording on event status monitoring window.

Users can operate live video play or recorded video play on the event status monitoring window.

- Start

  Click view-> Event status ->Event monitoring screen

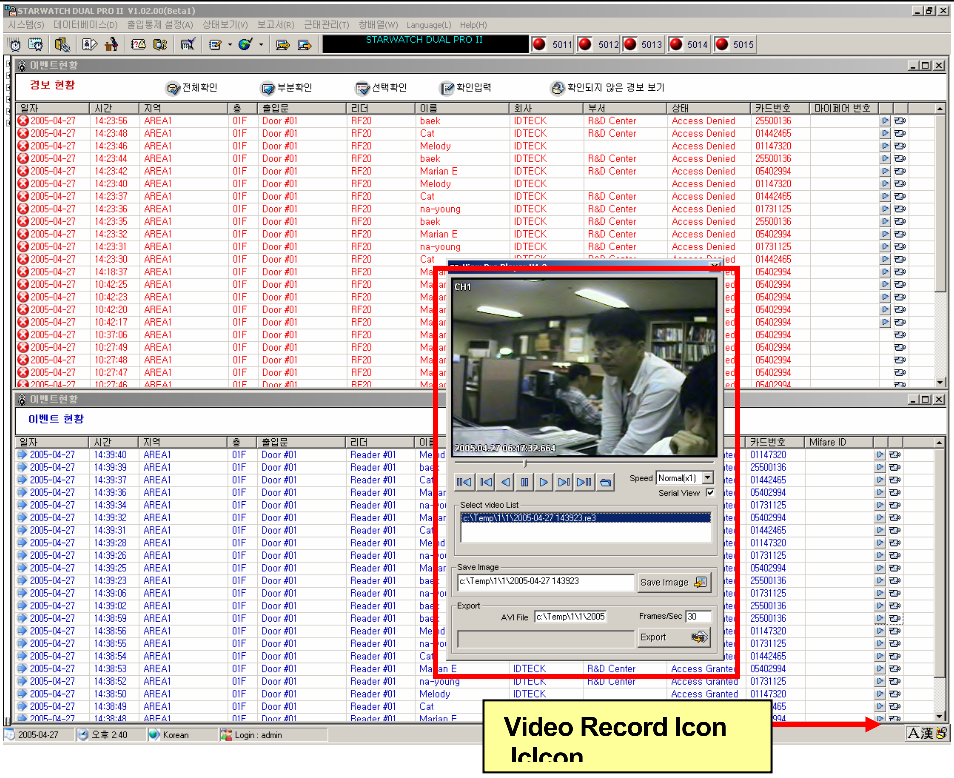
- Event monitoring window



■ Recorded video play

It records video image by types of access or alarm event as defined by users in condition that video devices are connected to the site..

When an event occurs, it records its video image and shows recorded video play icon on the list. To play the recorded video, click the icon( ).



- Control image by image play button.

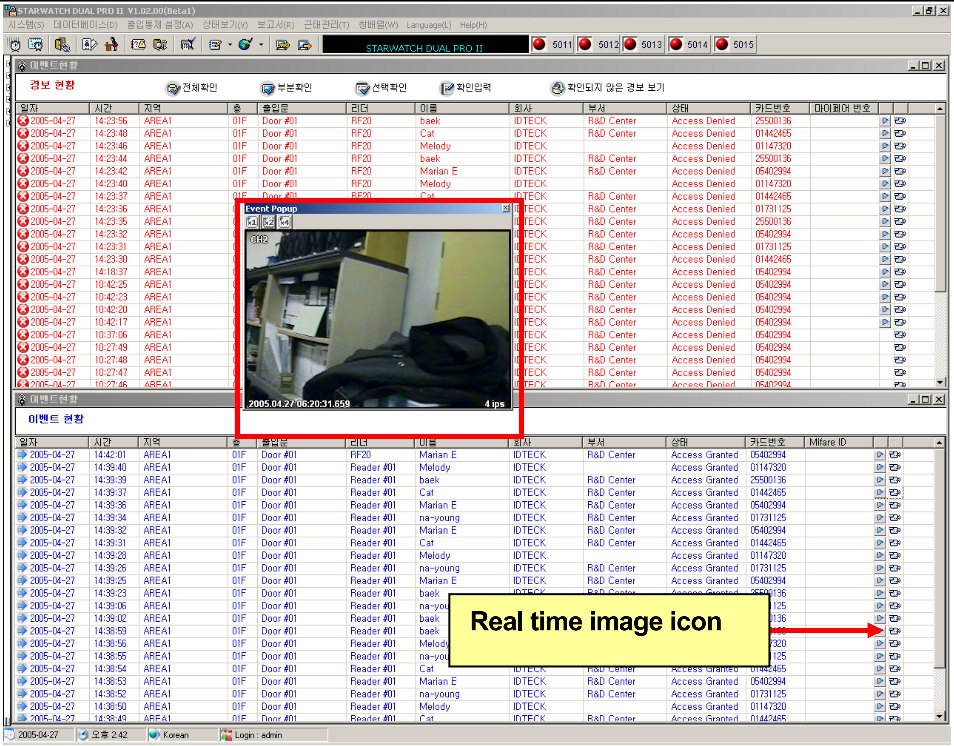
- Able to send still image in image file (JPEG file and etc.)

- Able to send recorded image in other image format files (AVI file and etc.).

■ Play real time image

Real time monitoring is possible with view camera when normal/alarm event occurs.

Image pops up in the map when event is occurred. Also, real time view icon is popped in event list. Click the camera icon() in event list to play real time images.



- Able to change image sizes with magnifying icon in real time image.

- Able to control camera with real time image view when camera supports PAN/TILT/ZOOM (PTZ) functions

○ **Monitoring images in Map setting and Map screen**

Able to control angle of camera while monitoring images in map screen when view devices are installed.

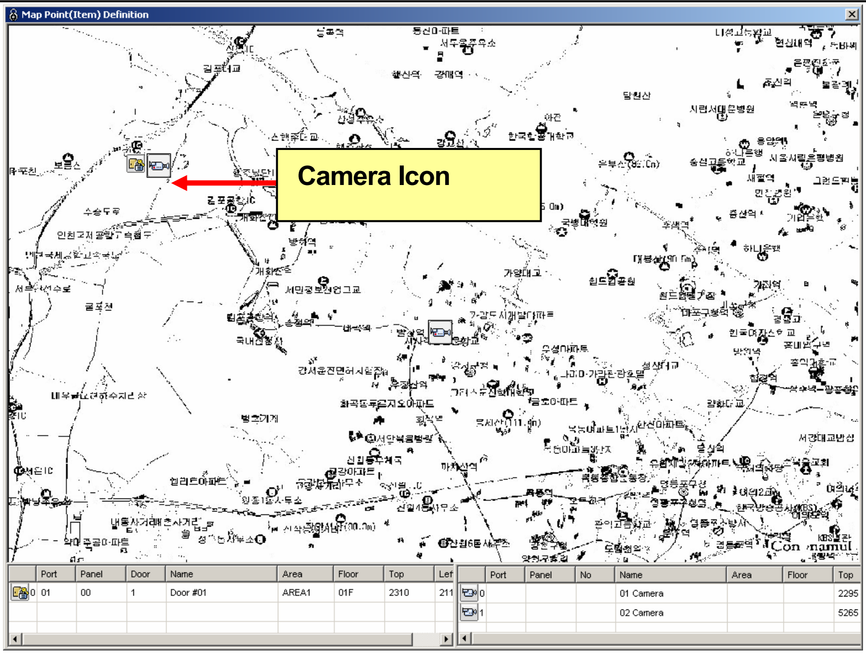
■ Start

Choose System->Map Setting-> Map Item

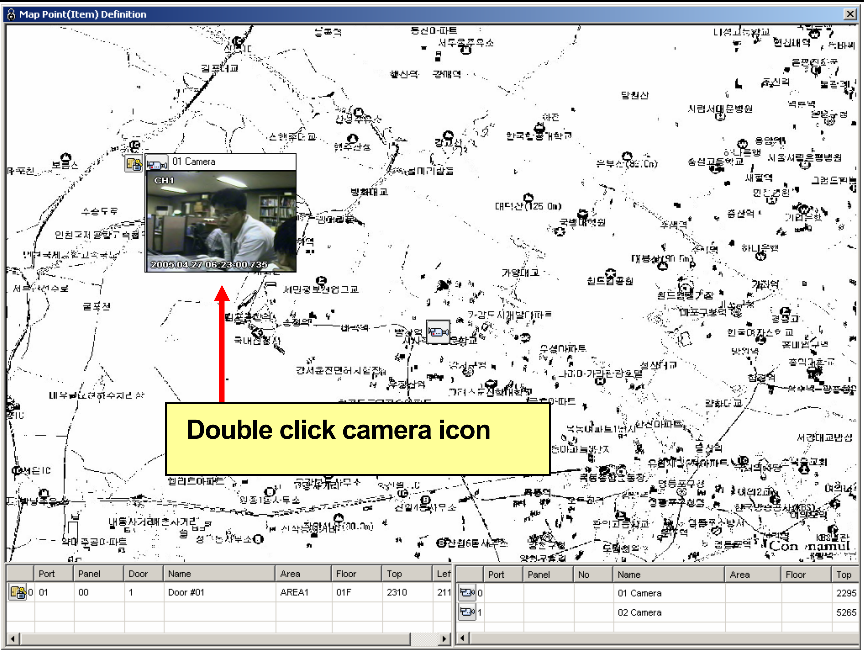
■ Camera set up in map screen

Set angle of camera while monitoring images in map screen when view devices are installed.

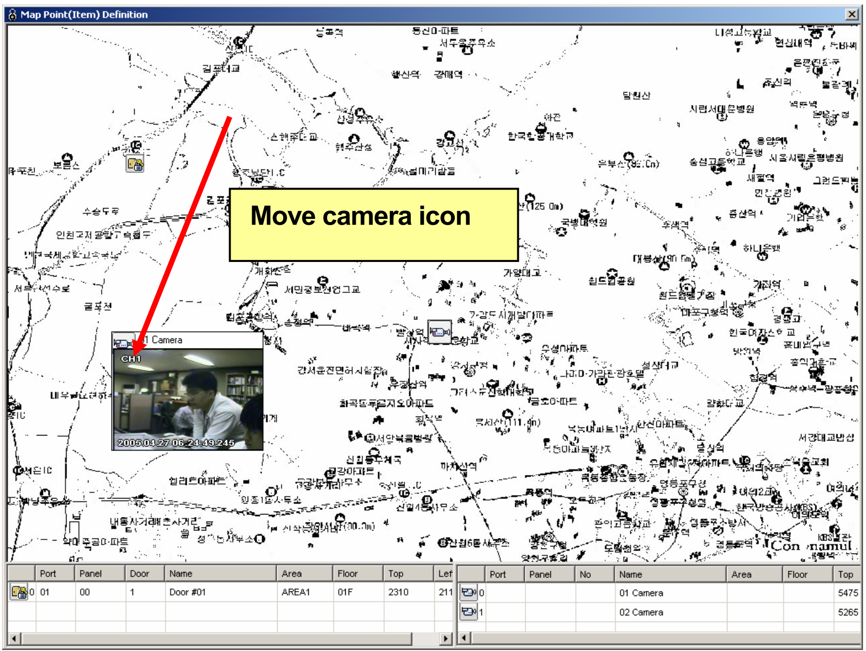
- Move camera icon to the place where the door is located



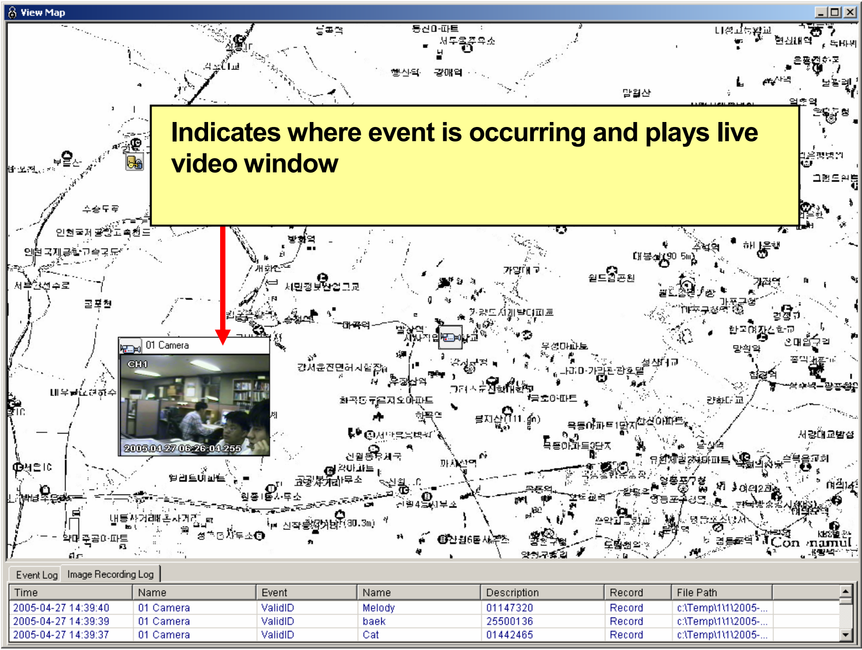
- Real time view is possible by double clicking camera icon.



– Live video view is to show when camera icon is double clicked.



– In case of an event occurrence, its door icon blinks on the map and its live video window pops up if a camera and web server is connected to the door.



- **SMS Service.**

  Able to send event in SMS by using foreign SMS services.

* Warning *

This function does not support usage of Korean Language Program.

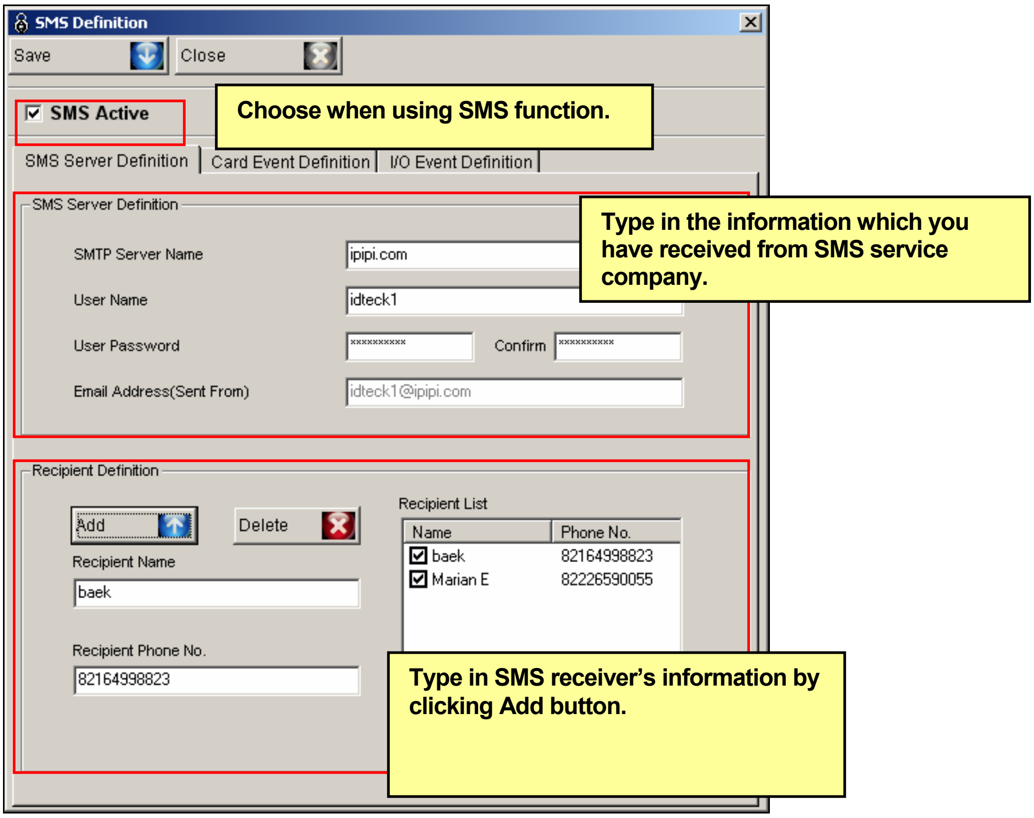
You must register at ipipi.com in order to obtain this service. Set the given ID and Password which you have received when registering ipipi.com.

- Star

  Choose Set Up-> SMS Definition

- SMS Set up

  Set up information on SMS server and receiver.



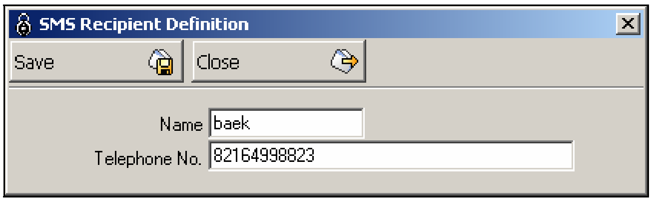
- How to set SMS

  \- SMS server registration

  1) Choose SMS Active.
  2) Register information on server and user received from the SMS service providing company.
  3) Email Address is automatically stored as User name + Server name.

  \- SMS receiver registration

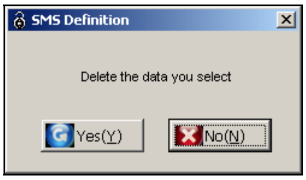
4) Register information on SMS receiver as below.
   a. Click Add button.



   b. Type in name and number of the receiver.(including country code)
   c. Click Save button then close to finish.

- To delete SMS receiver

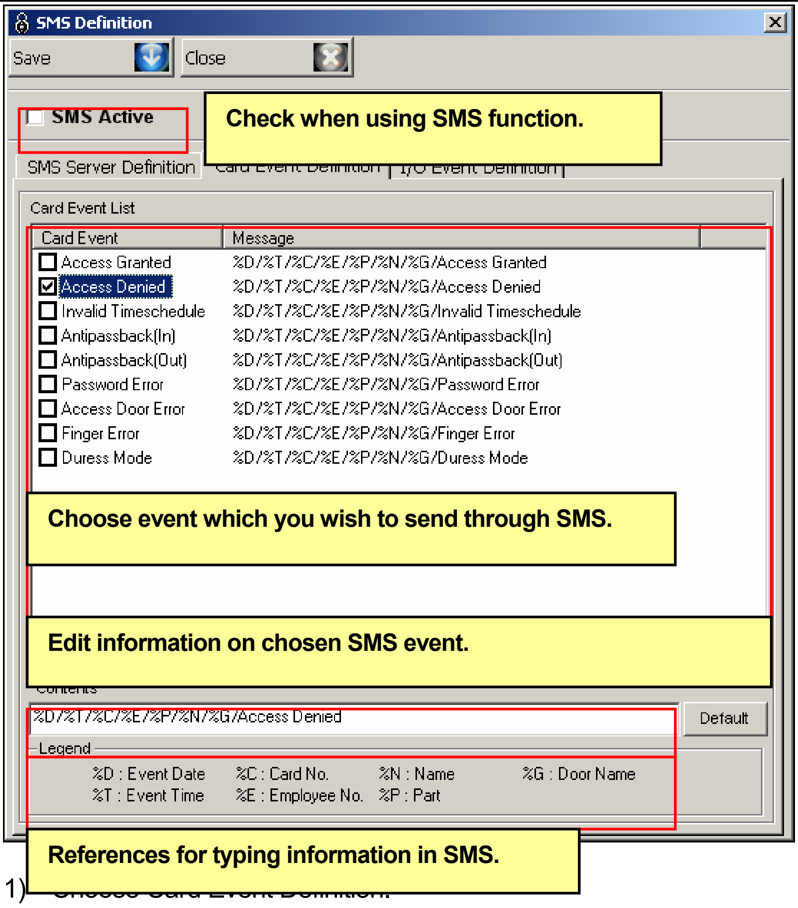
5) Follow the instruction below when deleting SMS receiver.
   a. Choose the receiver which you wish to delete from recipient list.
   b. Click Delete button on the left.



   c. Click Yes to delete.

■ Card Event set up (Option)

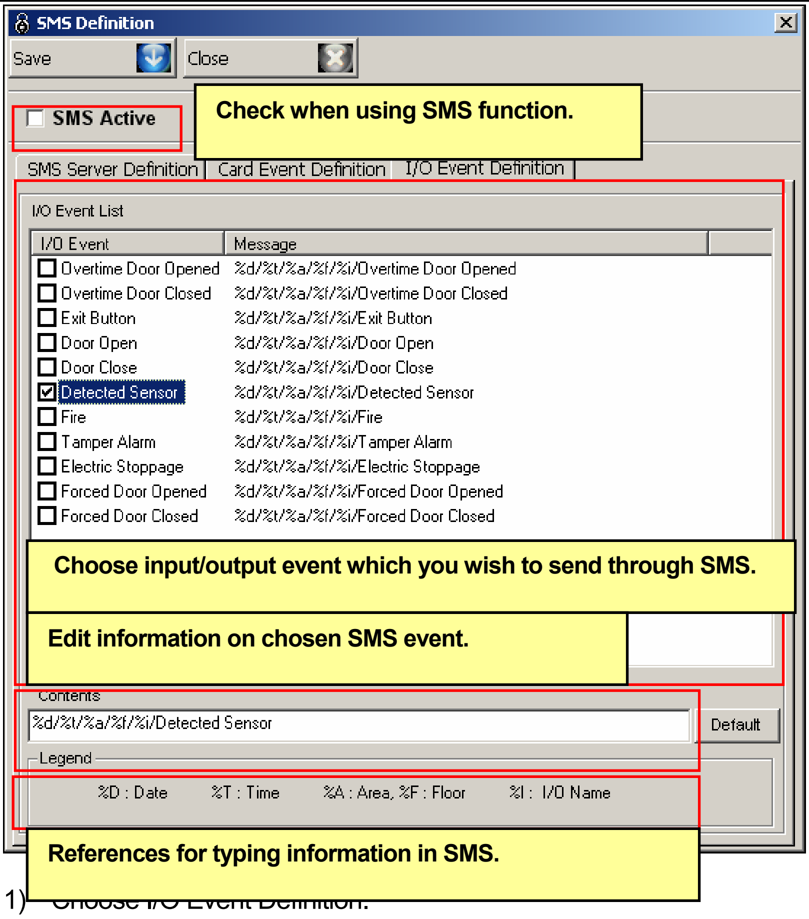
Set up card event and information which you wish to send through SMS. When chosen event occur the information which you have set up will be transferred to the receiver.



1) Choose Card Event Definition.
2) Choose event that you wishes to send through SMS.
3) In contents, edit information which you wish to send in occurrence of the event.
4) Refer to below legend for editing.
5) Click “save” to store information.
6) Click “close” to finish.

- Input/Output event set up

Set up information and types of input/output events which you wish to send through SMS. When chosen event occur the information which you have set up will be transferred to the receiver.



1) Choose I/O Event Definition.
2) Choose I/O event which you wish to send through SMS.
3) In Contents, edit information which you wish to send in occurrence of data.
4) Refer to below Legend for editing.
5) Click Save to store information
6) Click Close to finish.

System Management

- **Input, Output Integrated Definition**
- **Output status sign and control function**
- **Transferring all system information per controllers**
- **Transferring all system information per biometric readers**
- **Transferring all data on users per controllers**
- **Supports FGR006SR , FINGER006SR**
- **Supports FACE006**
- **Supports FACE007**

- **Input, Output Integrated Definition.**

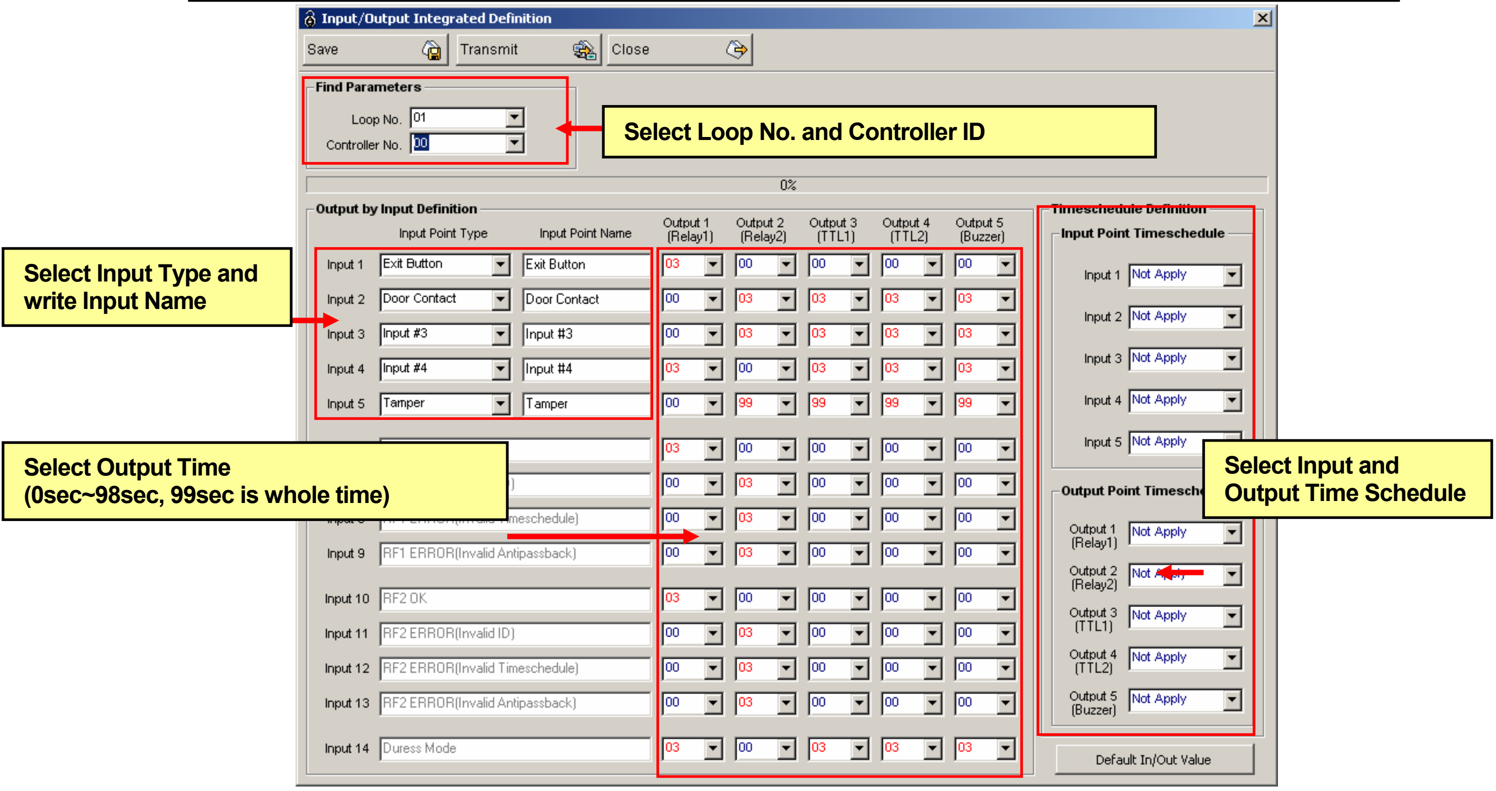
  Users can define all the type of devices connected to all the inputs and outputs of controllers.

  - Start

    Choose System -> In/Out Point -> Input, Output Integrated Definition.

  - I/O Setup and transmit

1. Choose the controllers address and its port address.
2. Input Point Type : Choose the input connecting point
3. Input Point Name : Input the connecting point
4. Output(1~5) Time : when exit button is installed on the emergency door choose the time(second) of Exit button. (0 sec.~98 sec. 99 for infinitive)
5. Timeschedule : Automatically controls in time when setting is done in output of timeschedule.
6. Click Save to store data base..
7. Click Transfer button send to controller.



- **Output status indication and control.**

  Real time check on output connected to controller(door, alarm, normal output). Also, remote control of output is possible.

  - Start

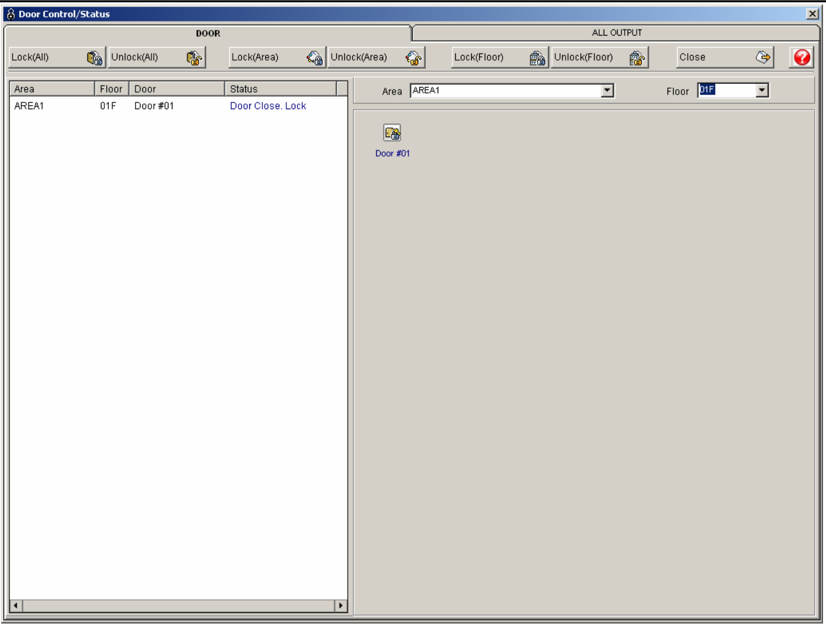
    Choose Status-> door status/control.

  - Check door status and control door

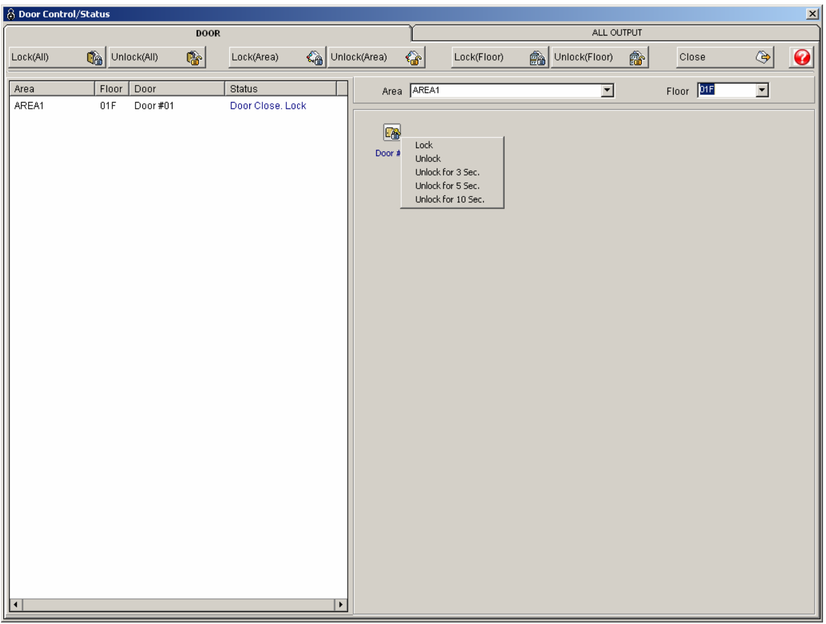
    Able to check door status in real time where door has been set up from Door/Reader and output contact point. Also, able to control lock device of door through program.

    - **Inactive (ALL)** : Cancel all running output.
    - **Active (ALL)** : Run all output.
    - **Inactive (AREA)** : Cancel only chosen area of running output.
    - **Active (AREA)** : Run only chosen area of output..
    - **Inactive (FLOOR)** : Cancel only chosen floor of output.
    - **Active (FLOOR)** : Run only chosen floor of output.
    - **Inactive (Output)** : Cancel chosen output..
    - **Active (Output)** : Run chosen output.

    <u>However, to check door/emergency door status, door contact must be installed. Otherwise it will only check the lock device.</u>



- Door status

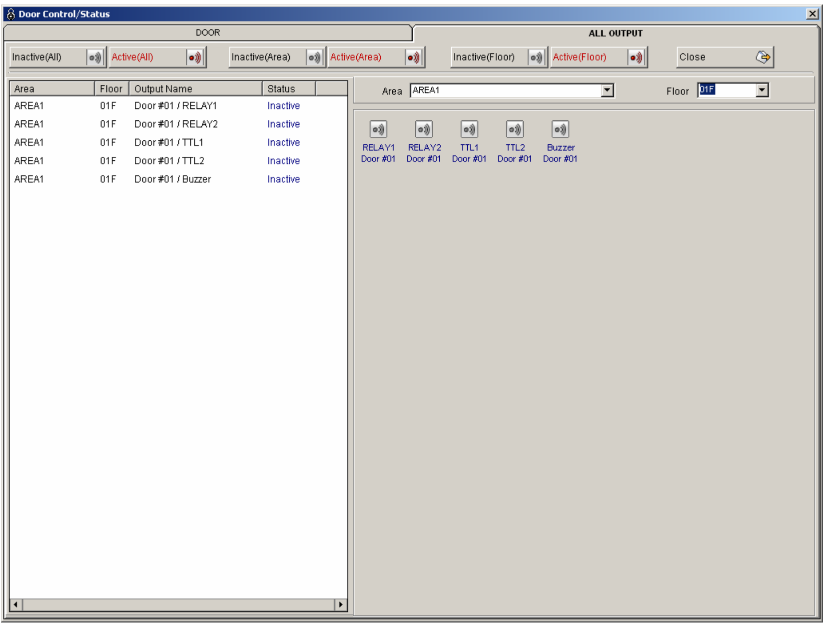


- Door control : Click right button of the mouth on the screen where there is a door. Controls door by given situation.(lock, unlock, unlock for certain period)

- To see output status and control output device

  Able to see the status of output device which has been set up in the output contact point in real time. Also, output can be controlled through program.

- Output status



– Control of Output : Click right button of the mouse on the screen where there is Output device. Controls output by given situation.(Output on, Output off, Output on for certain period)

○ System Information Batch Transmission for Controller

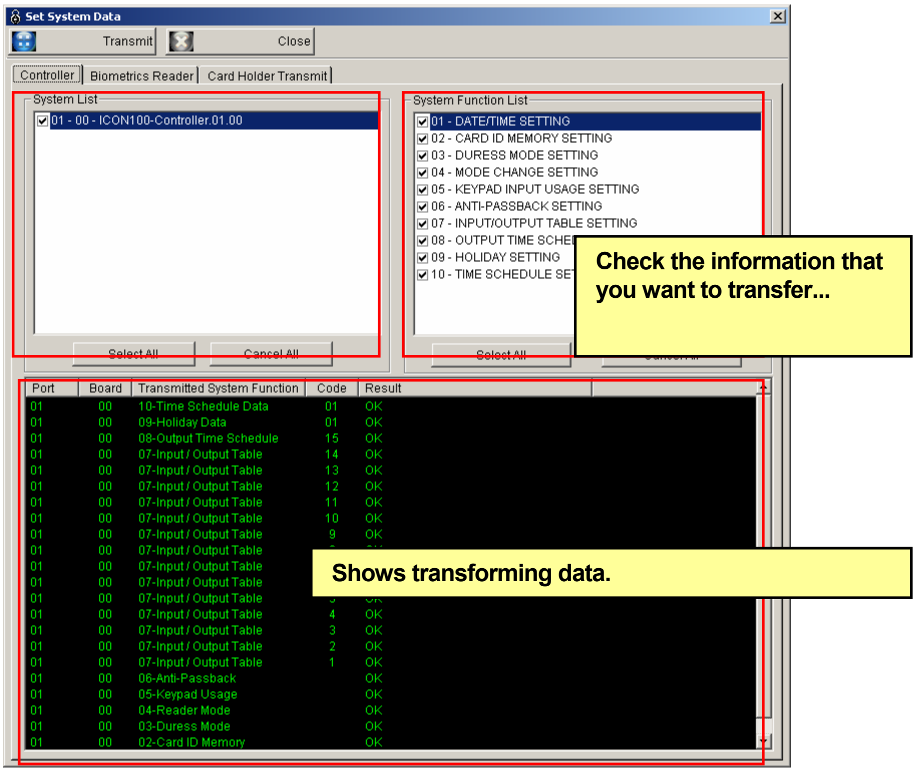
This is use to run information on system for transferring at once. Also, to install controller, choosing system and transferring information.

- Start

  System->System management->Transferring information->Choose controller tap.

- Batch transmission for controller

This is used for transferring information at once.



1) Choose controller for batch transmission form the system list.
2) Chose the data to transfer.
3) Click "transfer" to send the data to controller.
4) The transferred data is shown on the result list as below..
5) If the transmission is failed follow the error message instruction.
   If there is no system information on the Data Base, transmit after registering information.
   For cause of communication error, try it again or check the communication.

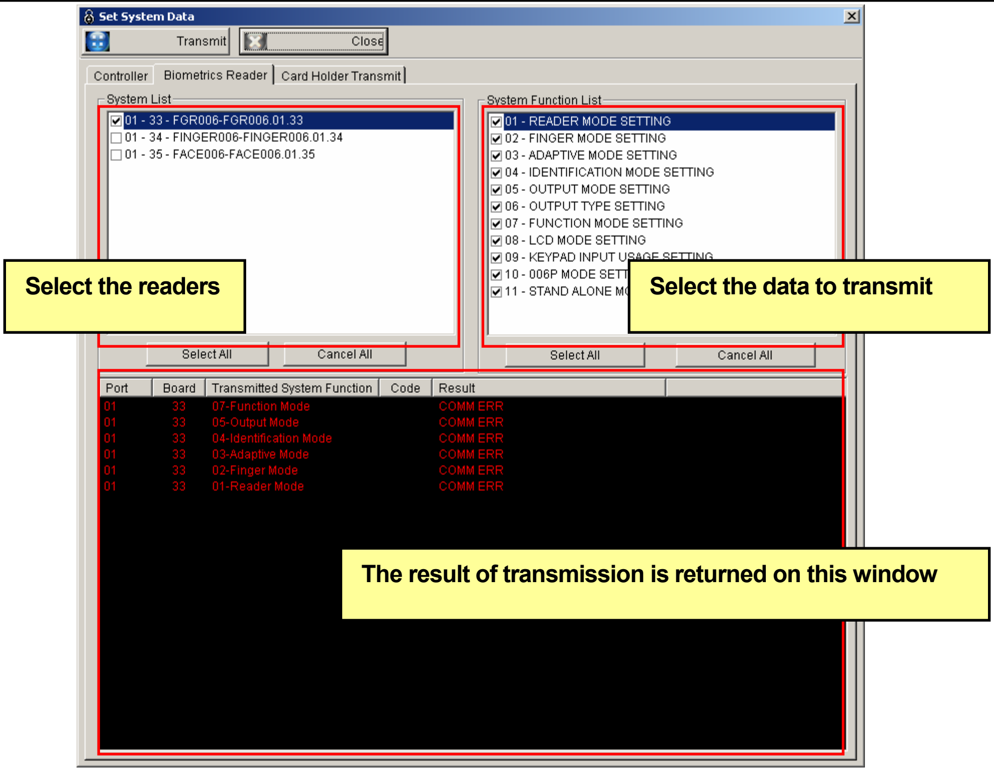
Batch Transmission of system information

System setting and data transmission after initial installation and initialization of Biometric readers

Open

System->System management-> Data Transmission-> Biometric Reader

- Batch selection of Biometric readers



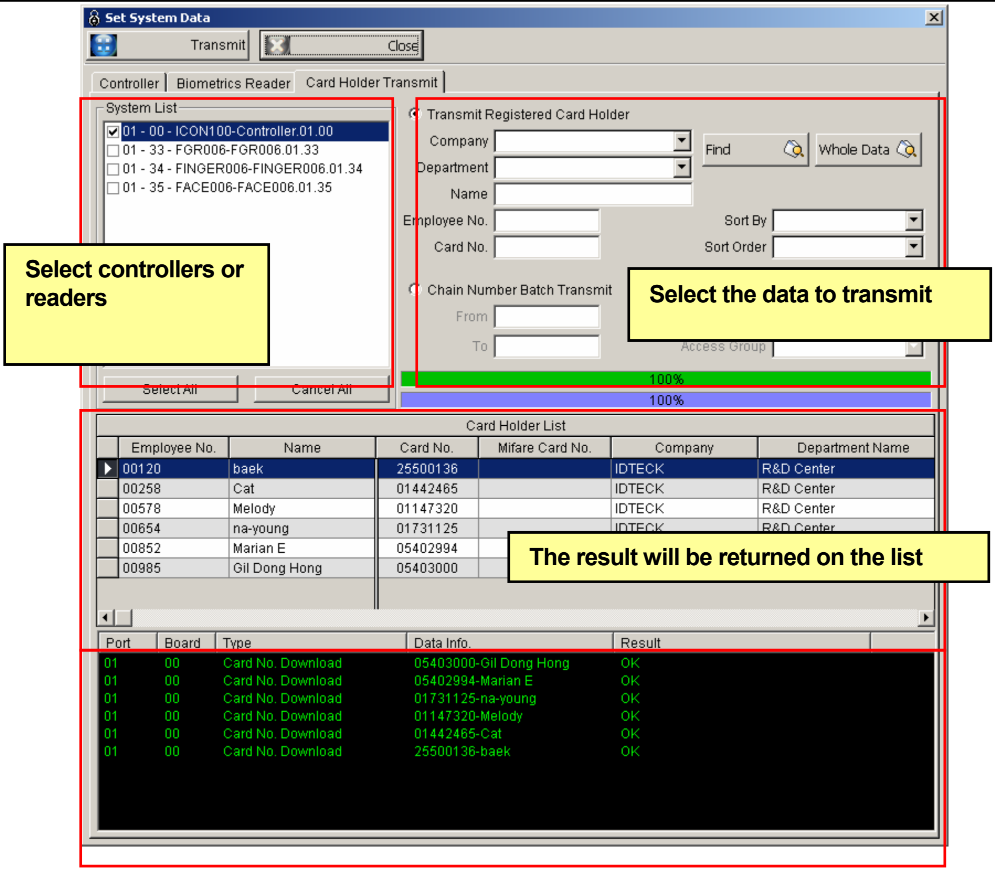
1) Select the readers from the list
2) Select the data from the list
3) Click “transmission“ button
4) The transmission result is returned on the window
5) If the transmission is not successful, check the database and the communication status..

○ **Batch transmission of Cardholders’ data to the controller and the bio reader**

- Open

  System->System management-> Data Transmission -> transmission to controllers

- Batch transmission of Cardholders’ data

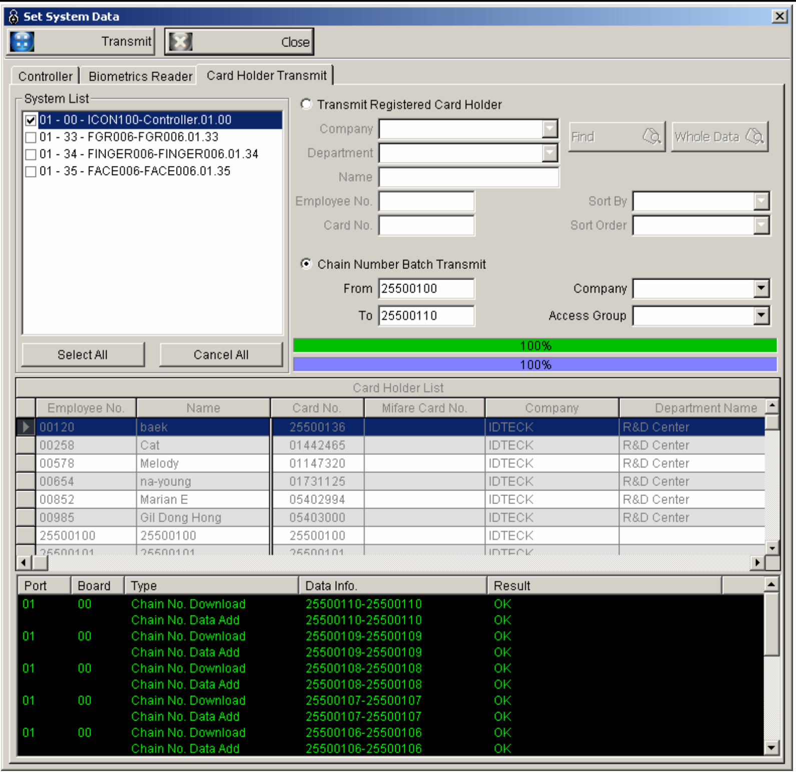


1) Select controllers or readers from the list

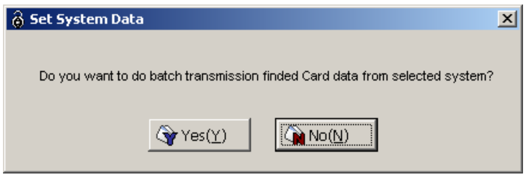
■ Data transmission

Transmit cardholders' information registered in program.

Transmit data of cardholders accessible to the selected system.



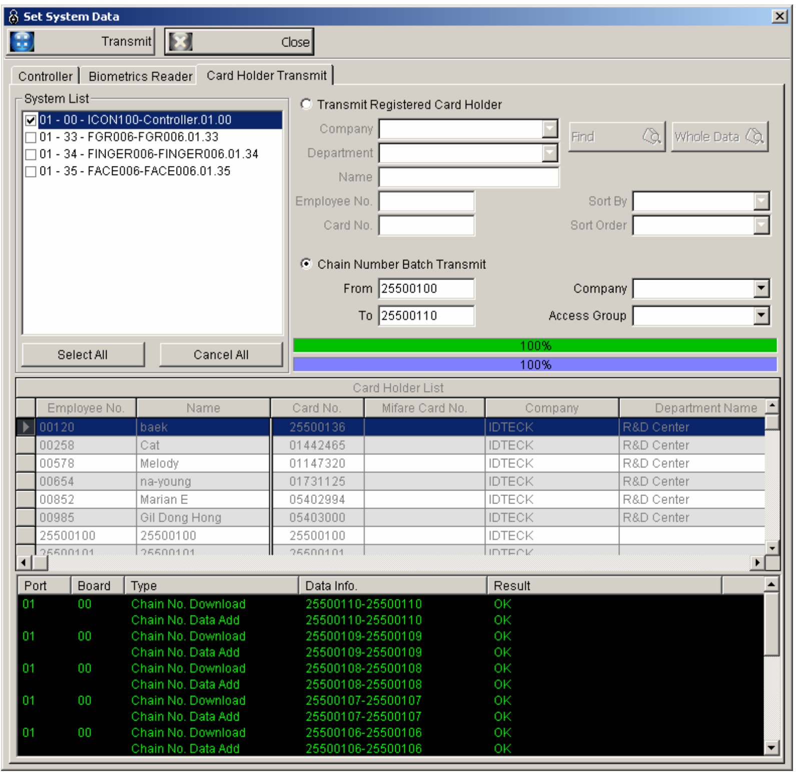
2) Select “ the transmission of all registered cardholders’ data”
3) Click “Transmission” button.
4) Select “ Yes” .



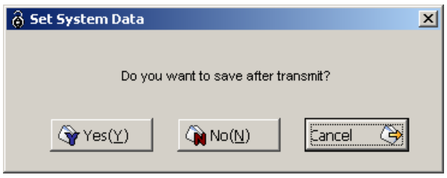
■ Transmission of consecutive card numbers.

Select the range of card numbers to transmit. It is very convenient to transmit the consecutive card numbers.

Caution : Cardholders being registered to the controller automatically gain access to all the doors connected to the controller. When being registered to the biometric reader, not biometric data but card number and pass word (default :0000) will be registered. Biometric data can be registered later on.



5) Select " Consecutive card number transmission"
6) Set the card number range to register. Select company and group to register the data collectively.
7) Click "transmit" button.
8) Decide whether to register the data collectively to the database. The data registered to the database will become the basic information.



9) The transmission result will be displayed on the list

○ **FGR006(SR) , FINGER006(SR) .**

Biometric reader Setting, operation and fingerprint management are feasible.

- Open

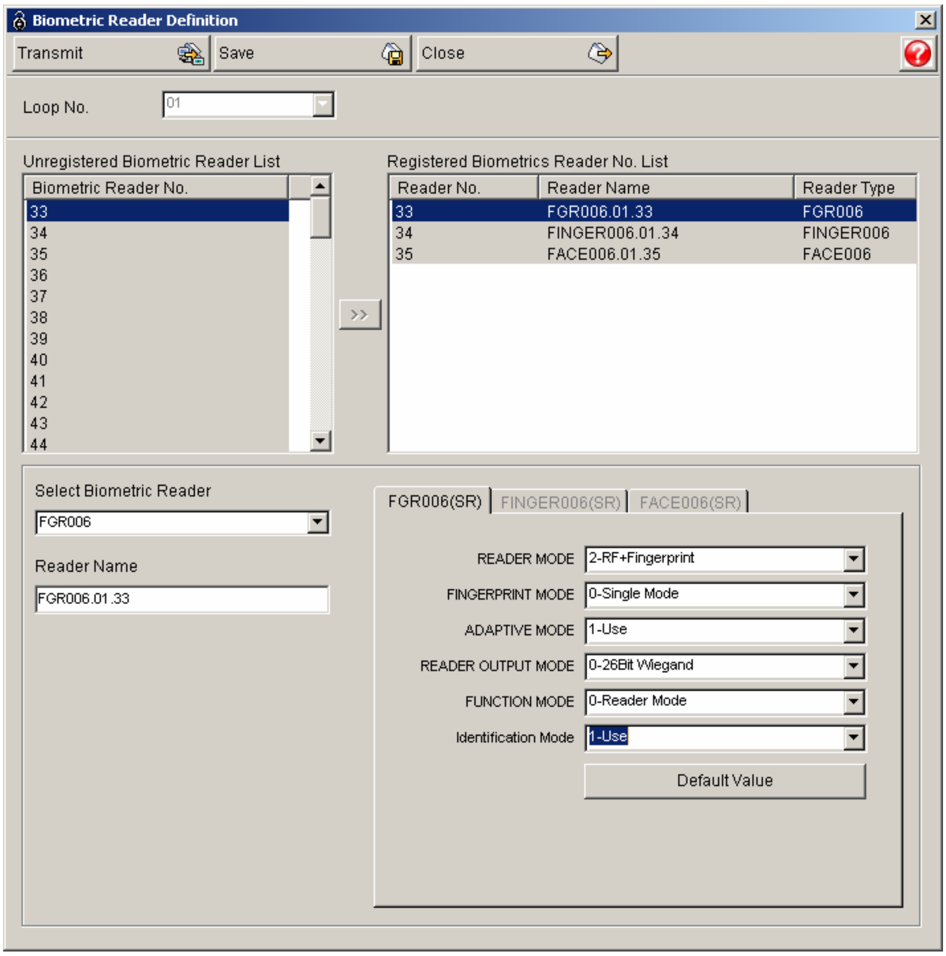
  system->biometric reader setting

- FGR006(SR)

  Click " Add/modify" button.

  Set the address of the biometric reader.

To change FGR006(SR)'s setting values, save and transmit the changes. .

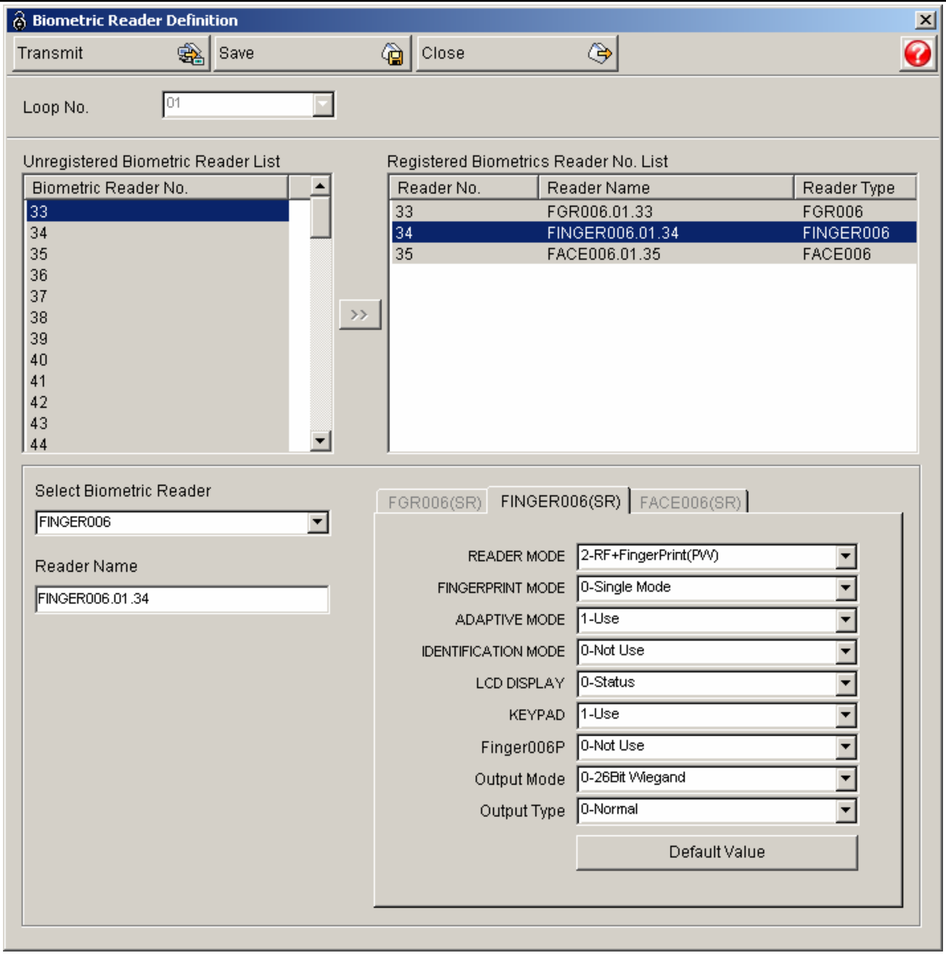


- FINGER006(SR)

Click " Add/modify" button.

Select the address of the biometric reader.

To change FINGER006(SR)'s setting values, save and transmit the changes.



○ **FACE006(SR)**

FACE006(SR) setting, operation and face data management are feasible.

■ Open

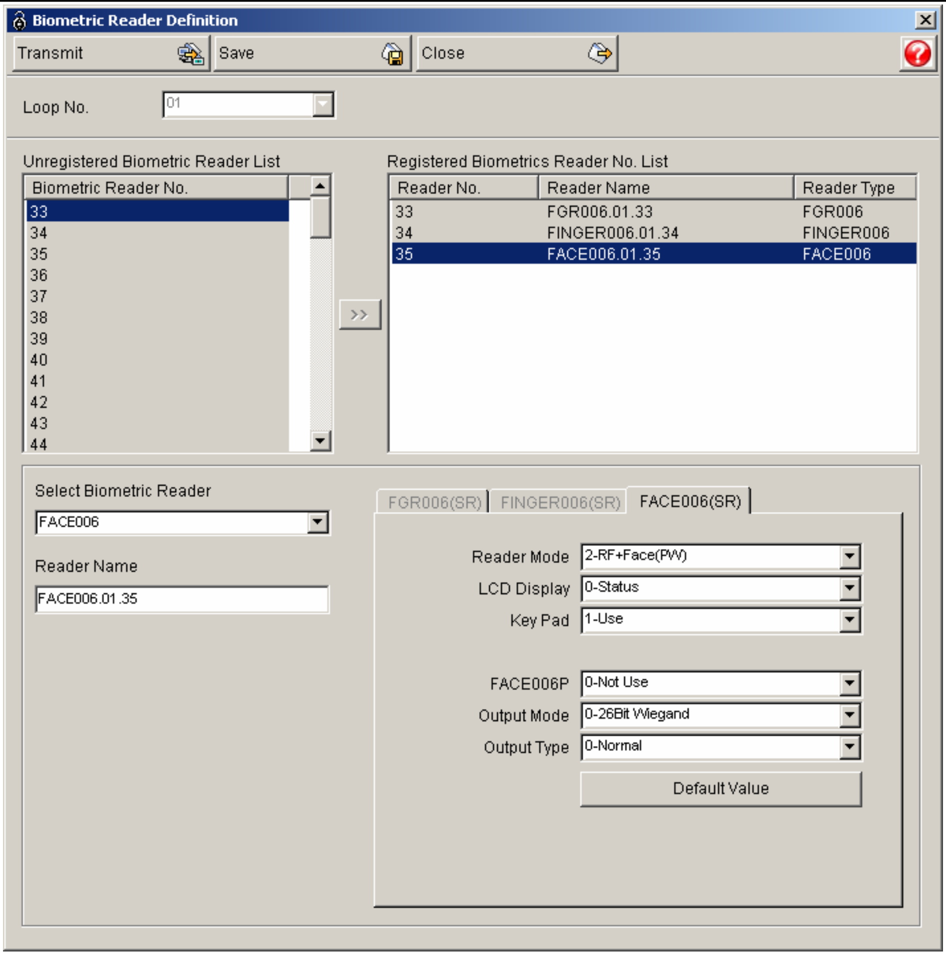
system->select "biometric reader"

■ FACE006(SR)

Click " Add/modify" button.

Select the address of the biometric reader.

To change FACE006(SR)'s setting values, save and transmit the changes



- Functions of (FGR006(SR), Finger006(SR)

Functions	Description
Reader Mode	RF Only RF + Fingerprint , Face (PW) RF + PW + Fingerprint , Face
Fingerprint Mode	Dual Mode : to register 2 different fingerprints under a single ID (low recognition effectiveness) Single Mode : to register a fingerprint twice
Adaptive Mode	Use : to enhance the effectiveness of fingerprint recognition (recognition process is comparatively slow. The red light of the module blinks while scanning) Not Use : Disable Adaptive Mode
Identification Mode	By Auto Match(fingerprint only) Use : allows you to obtain access by using a fingerprint only Not Use : Disable identification mode
Output Mode	26 Bit Wiegand ABA Track II
Output Type	Transmit the recognition result through the separate line Normal : Only after successful recognition, the card number will be sent out Extension : after recognition, the card number is sent out and the result will be sent out through the separate lines (Ok, Error)

Function Mode	Registration Mode : to register fingerprints Reader Mode : normal fingerprint reading mode
LCD Display	Status : the recognition result will be displayed Card No : Card number will be displayed.
Key Pad	Use : enter the card number by Key Pad Not Use : disable Key Pad
006P	Use : recognition process will be made by PIN without a card. Not Use : A card is needed in recognition process.
Stand Alone	This functions is not available by now. By default, set as " Use "

○ **FACE007(SR)**

FACE007(SR) setting, operation and face data management are feasible.

- Open

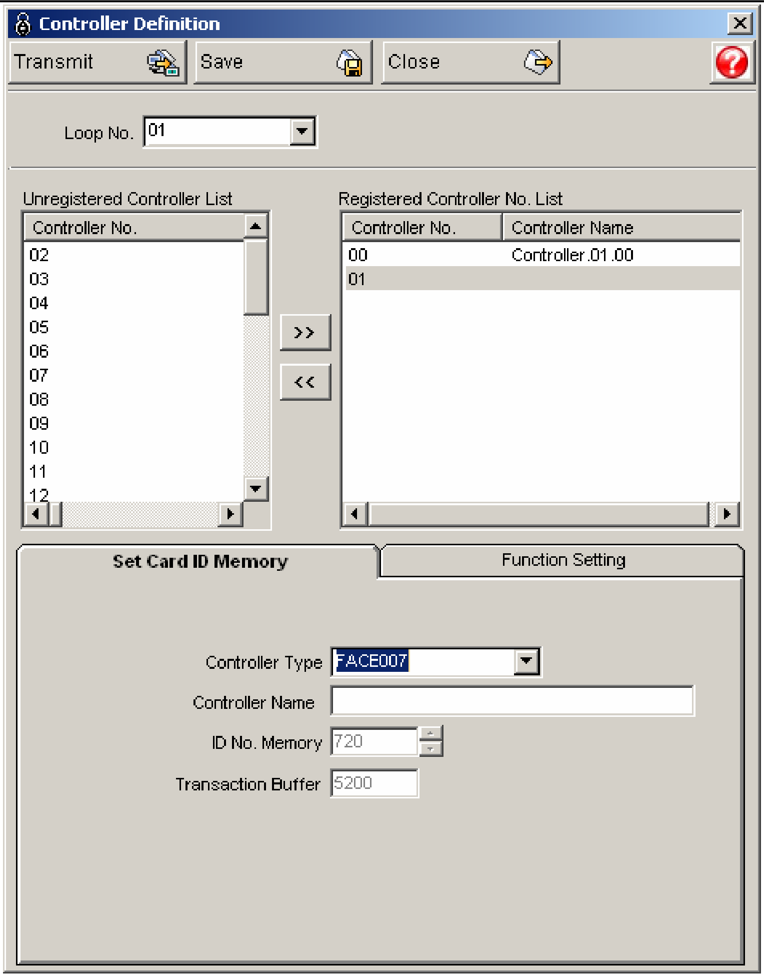
  system->select "Controller Define"

- FACE007(SR)

  Click " Add/modify" button.

  Select the address of the biometric reader.

  To change FACE007(SR)'s setting values, save and transmit the changes



Time & Attendance

- Establishing Work schedule

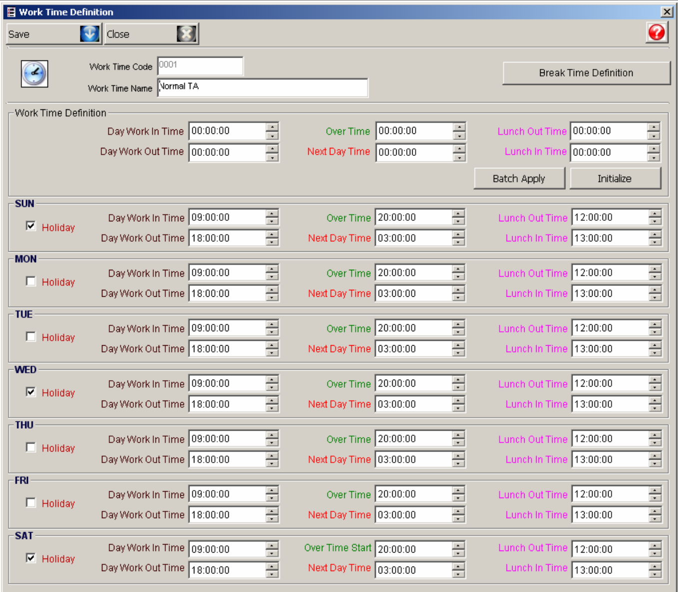
○ **Establishing Work schedule**

The work schedule function is designed to apply different work schedules by day to each group of workers. The work schedule consists of arrival time, departure time, lunch time and night shift. It is designed to assign different holidays to each week..

■ Open

Time & Attendance -> work schedule definition.

■ Assign work schedule by day



A. instruction

1. Enter work schedule code
2. Enter the name of work schedule
3. Fill in work schedule field at your discretion
4. Absence check function is not feasible for a holiday. Overtime work is applied to the employee working on a holiday.
5. batch application : If the work schedules are regular during the week, set the time and click “ batch application” button.

Cardholder management

- Biometric data Transmission / Receipt
- Registration Terminal
- Cardholder definition field.
- ID Badging

○ **Biometric data transmission/receipt**

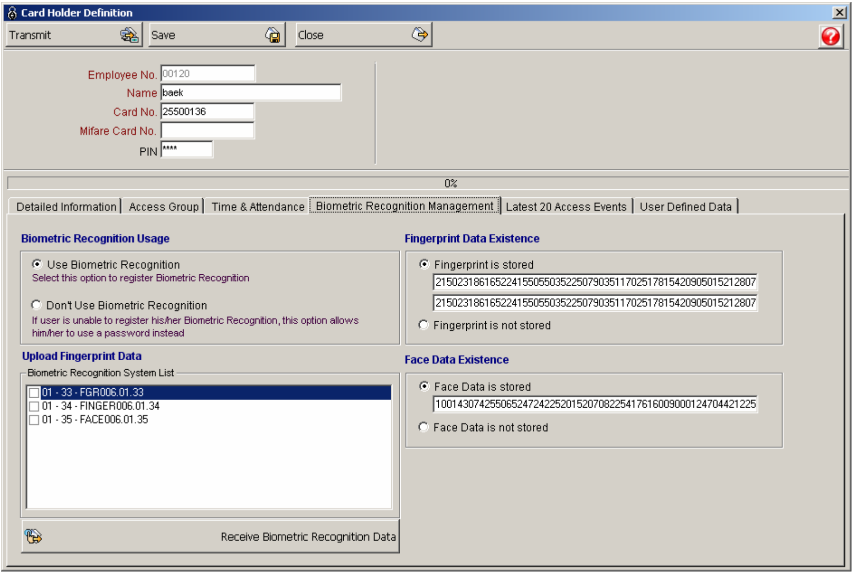
FGR006(SR) , FINGER006(SR) , FACE006(SR)

■ Open

Access control -> Cardholder management

■ Data transmission

The biometric data should be registered to the reader in advance.



1) Select the cardholder and click "modify" button.

2) Move on to the biometric data management tap.

3) Select " Use Biometric recognition "

4) To apply setting values, click "Save" button.

5) Select the system storing the biometric data.

6) Clink " receive" button.

   Face data and fingerprint data will be saved in different forms.

7) In case of failure of receipt, make sure that the data has been correctly registered in the system and communication between the reader and the PC is on progress.

○ **Registration terminal.**

Connect the separate reader to the PC directly for the registration terminal. If you present a card to this reader, cardholder registration window pops up and the card number will be registered automatically.

■ Open

System-> Loop setting

■ RF reader registration.

1) Modify " Reader Chain loop (00) "

2) Click " loop activation"

3) Select the serial port connected to the reader.

4) Select Baud rate as 9600 bps , Parity bit as NONE , data bit as 8 , Stop bit as 1

5) Click " Save" button.

- Automatic card data registration

  1) Present a card to the reader connected to the PC

  2) The card number will be displayed on the cardholder registration window.

○ Cardholder definition field

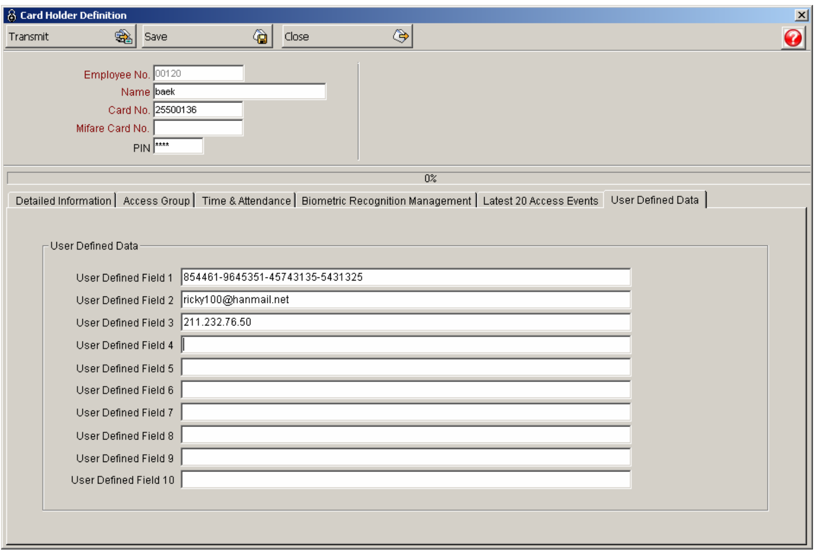
In cardholder registration, up to 10 kinds of information can be registered. The information is also available in ID Badging system

- operation

  Access control-> cardholder management -> cardholder definition tap

- Registration

Select the cardholder to register and click “modify” button..



1) Select “ cardholder definition” field tap.

2) Enter values for “cardholder definition” fields.

3) Click "Save" button to save the changes

- **ID Badging system**

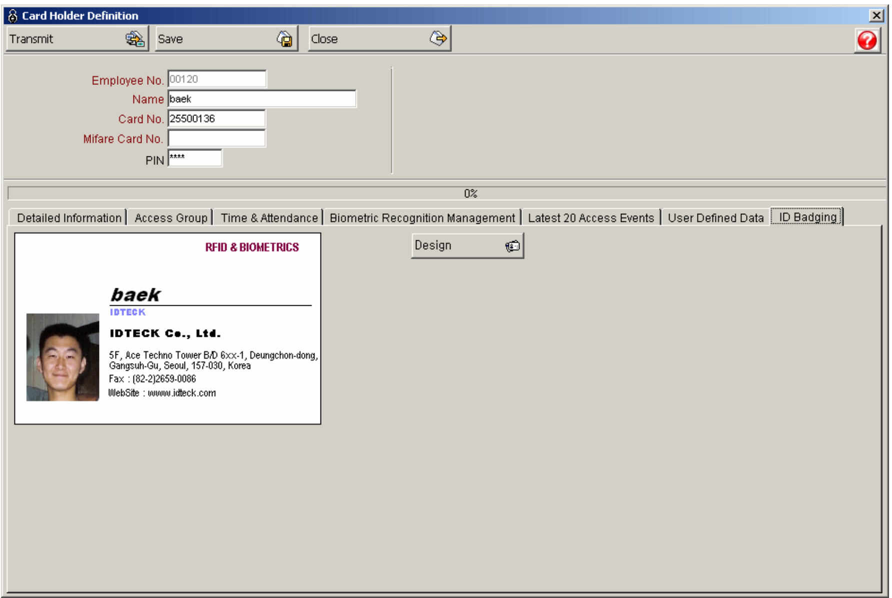
  Preview of ID Badging image and Modification of ID Badging design

  - Operation

    Access control -> cardholder management. Switch to ID Badging tap

  - Preview

    Select the cardholder from the list and Click "modify" button.



1) Select ID Badging tap.

2) To modify a design, click "Design modify" button.

System management

- **Fire Group**
  - Set controller's input point on fire signal.
    According to fire signal, **Fire Group** function sets up emergency (fire) exit.
    When fire signal occurs, set access door will be open.

Card holder management

- **Personal Tracking**
  - **Personal Tracking** function monitors being permanently stationed passer at Access Control System.
- **Guard Tour**
  - **Guard Tour** function register/manage patrolman card, patrol area and patrol time.
    And it manages to result according to patrol.

A. Detailed description of added functions.

System Management

- Fire Group

- **Fire Group**

  Set controller's input point on fire signal.
  According to fire signal, **Fire Group** function sets up emergency (fire) exit.
  When fire signal occurs, set emergency (fire) exit will be open.
  In case of no set Fire Group, occurred fire signal will make open connected all access doors in system.

  - Fire Signal Definition

  Should set connected fire signal on controller's input point to set **Fire Group**.

  - Start

    Set Up -> Input/Output Definition -> Set fire signal on connected input point with fire signal selecting controller's input point Definition.

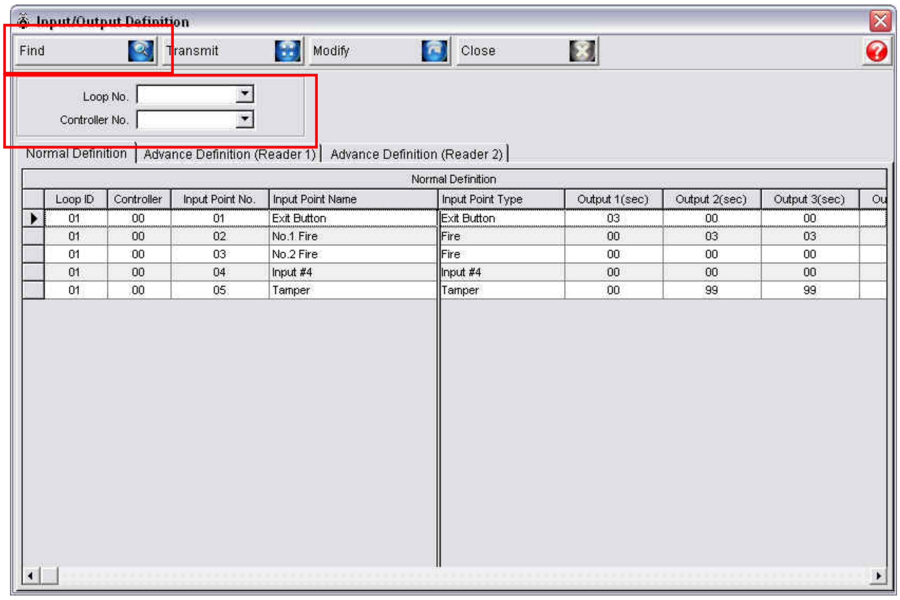
  - Set up Input Point Definition

    Input/ Output Definition set up mutual operational relation to occur signal for specific output when input signal occurs. And Input/Output sets seconds if output signal operates for some time.

    In addition, when input signal occurs, type of input signal and text of indicated customized definition can set. According to setting door type of input/output controller, relational information about input/output signal conception by standard controller default value was created and saved automatically on database. On this account, user cannot need addition and deletion. In case of changing only some information about mutual occurrence relation, operation time, input point of input/output signal, user can modify and transfer.

  - Find

In case of existing set information already, Find is used when you search data in accordance with condition using Find condition. Therefore Find is used when you modify existing data.

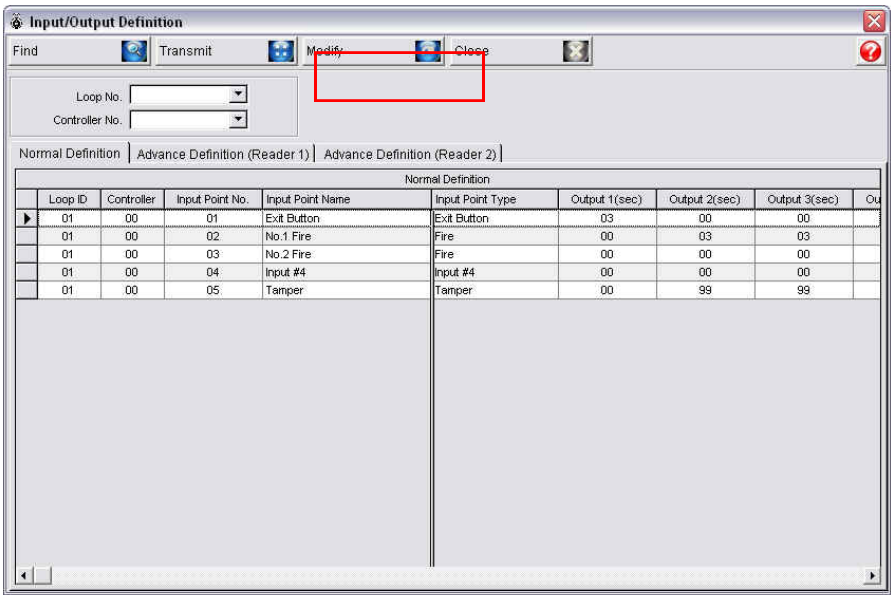


1) You select condition in accordance with Port No. and Controller No.

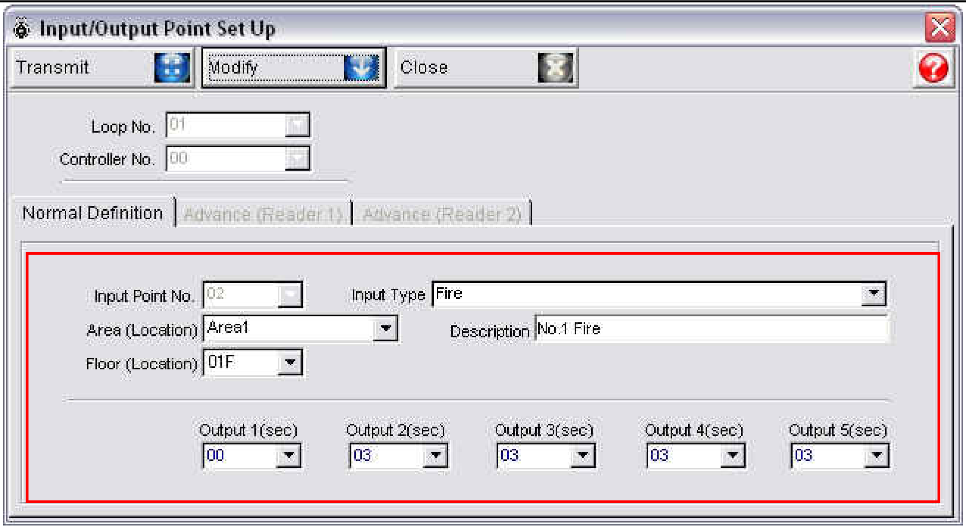
2) You search clicking Find button. In case of existing found result, detail is indicated.

- Modify

To set by fire signal, you modify Input point which fire signal was inputted. And you select controller's input point to modify. Selected data is indicated on selection.



1) You click Modify button.



2) You select Area(Location), Floor(Location) information. If you select location which input signal occurs, you can confirm which event occurred any location at event occurrence.

3) Set input point's type on **'Fire'**. STARWATCH V2.00.00 recognizes selected input point to fire signal.

4) Input point name indicates showed text on event occurrence window when fire signal occurs

5) From 1 to 15 output decides whether output separately operates or doesn't operate when corresponding input signal (fire signal) occurs. Inputted value on output set time (seconds) that output operates.

6) In case of inputting 00s, corresponding output signal doesn't occur. When you input (select) from 01s to 99s range value, relative output as set second as operates. Access door can be open through controller by itself as well as STARWATCH

7) Save clicking a Save button.

8) Transmit to controller clicking Transmit button.

9) Finish clicking Close button.

- Fire Group Definition

When fire point occurs, Fire Group Definition appoints access door that will be open.

■ Start

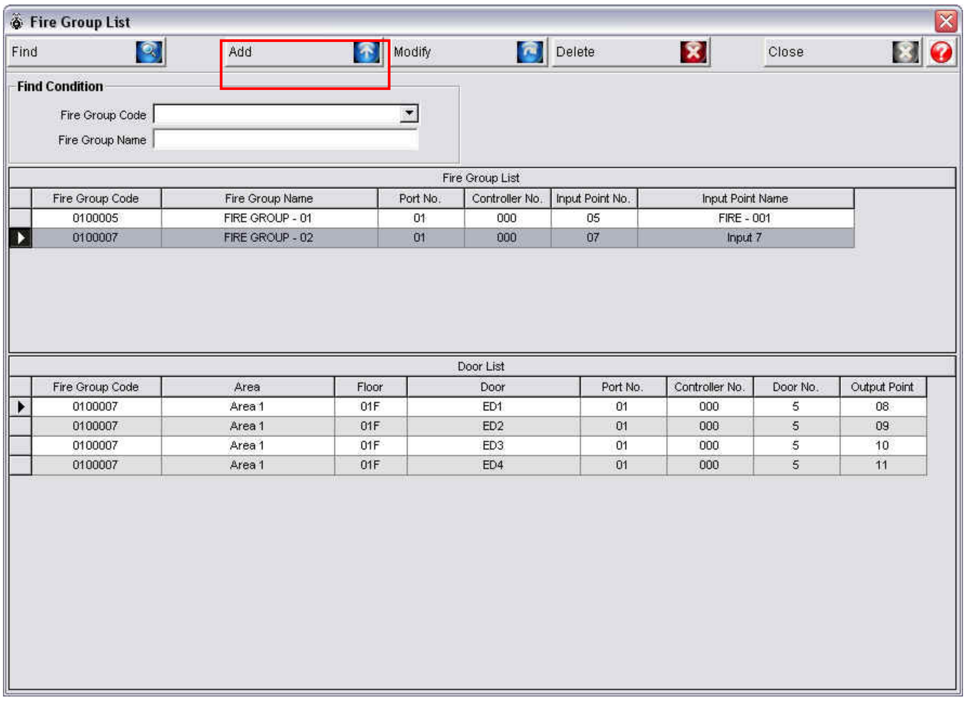
Set Up -> Select **Fire Group Definition**.

■ Find

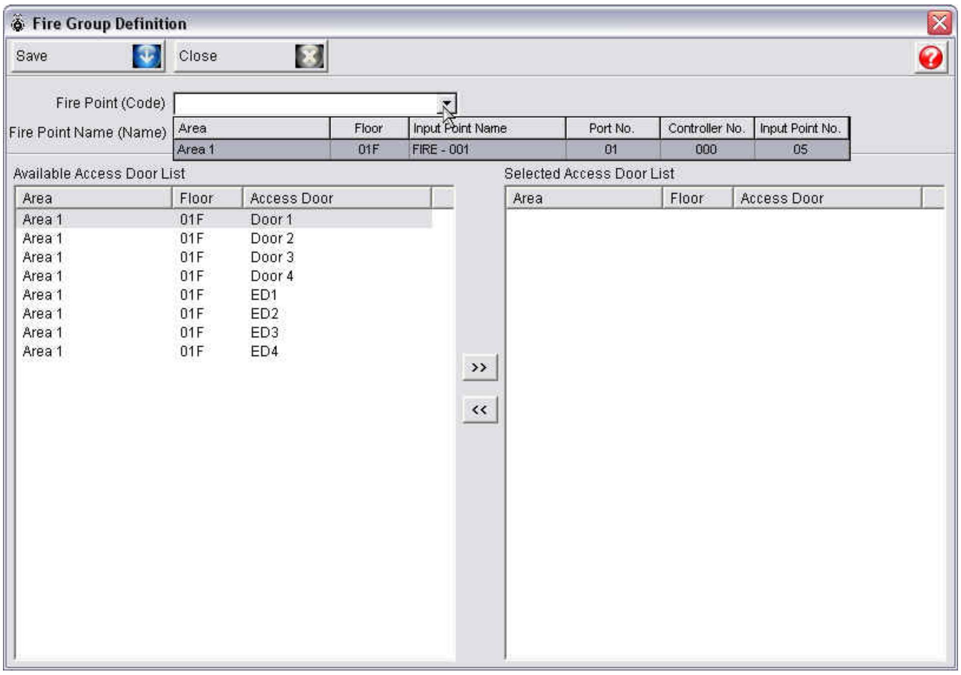
In case of having set information already, Find is used when you search data in accordance with condition inputting find condition. When you modify existing data, Find is used.

■ Add

Add is used when you generate new data. When you supplement Fire Group, you input data clicking 'Add' button on data input screen.

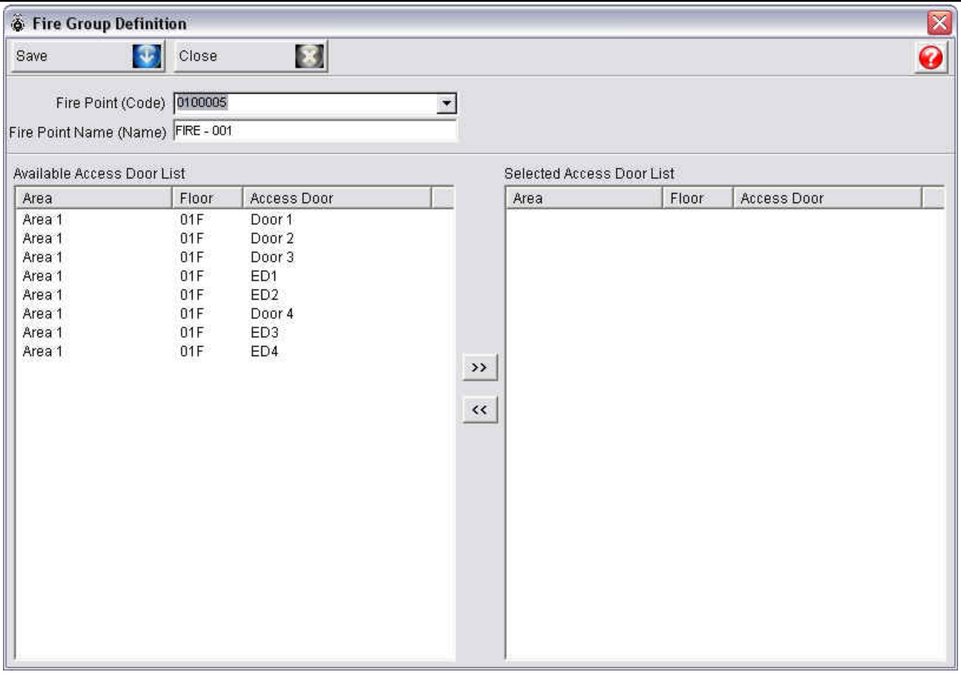


1) Click '**Add'** button. Then registration screen about Fire Group is showed.

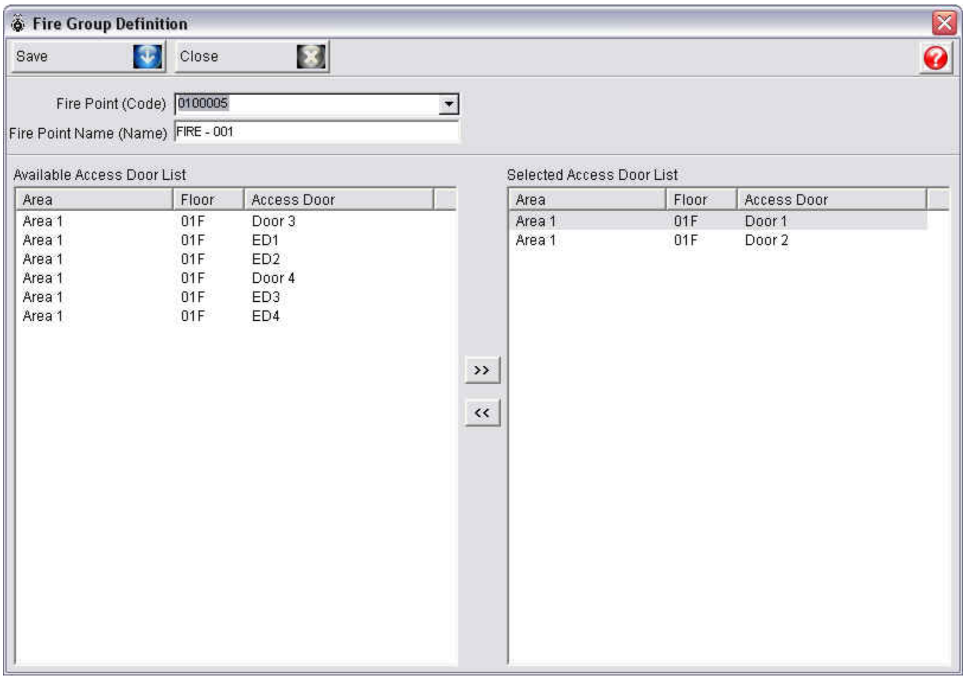


2) Select fire point to register wished Fire Group. If fire point has set, fire point code is automatically allocated.

3) If set fire point doesn't exist, you can't set **Fire Group**. Fire point code is order of port number, controller number and input point number.

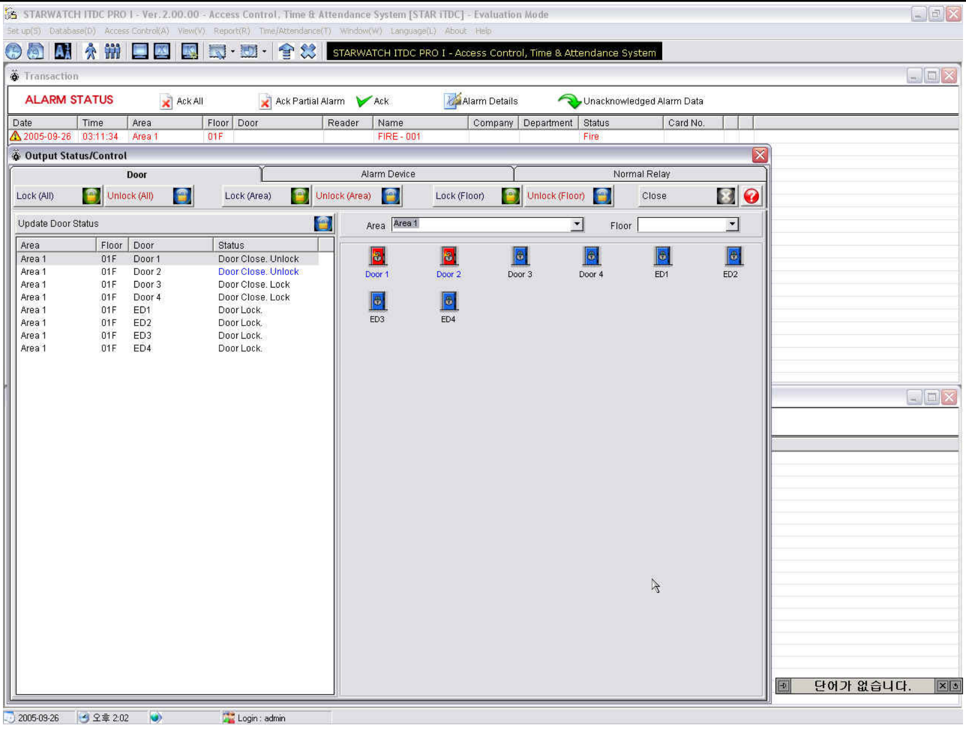


4) When you input fire point signal, you select access door wished to open. Add to Fire Group clicking '>>' button or cancel clicking'<<' button



5) Save selected access door clicking 'Save' button.

6) When signal occurs on fire point, set Fire Group access door will be open on fire point.



Cardholder management

- Personal Tracking

- Guard Tour

○ Personal Tracking

Personal Tracking monitors that access person has been stationed permanently.

- Start

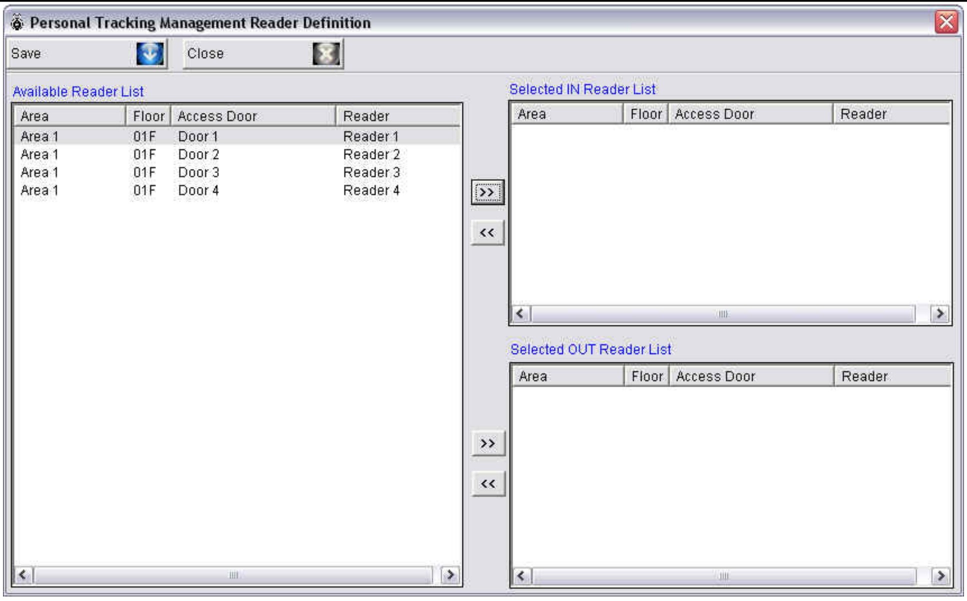
  Set Up -> Personal Tracking Reader Definition

- Personal Tracking Reader Definition

  Set IN and OUT Reader List in appointed space for check-in management.

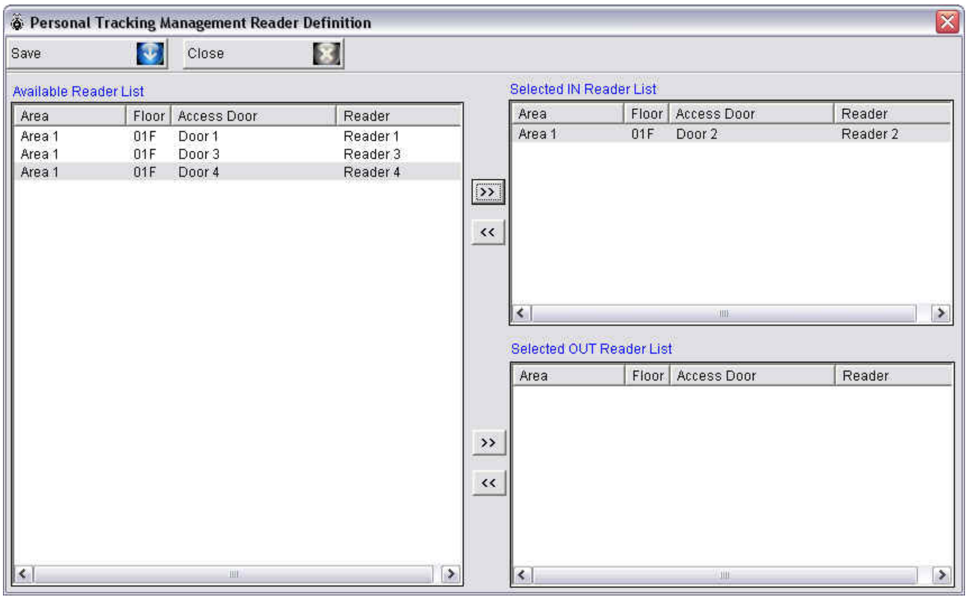
  Can understand that check-in condition about read and entered access person through set reader by space's IN Reader. Check-out is processed about read and went out access person through set reader to space's OUT Reader.

1) Execute on the reader's registration about check-in management.

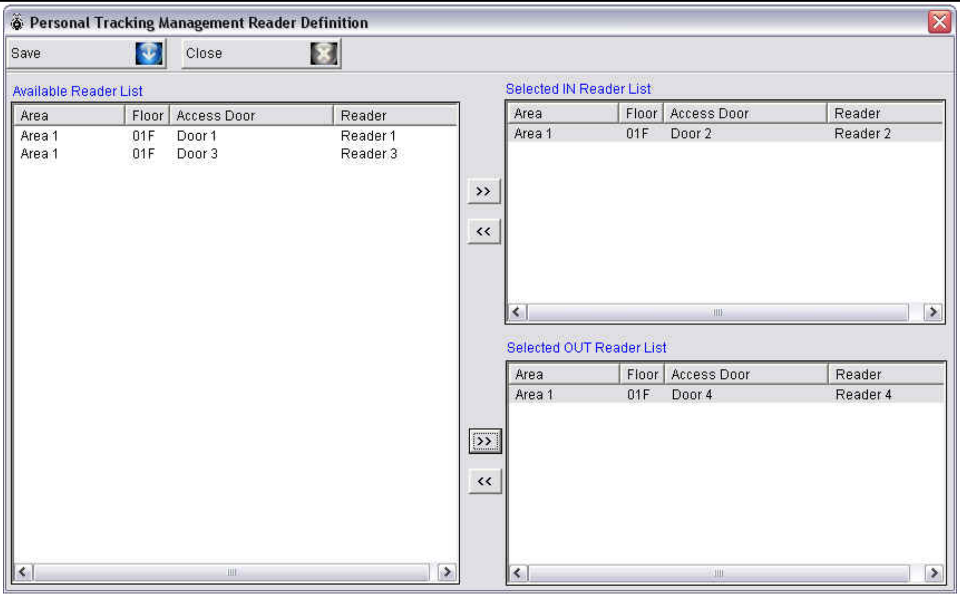


2) In Available Reader List, select IN Reader of space that has been wished to check-in management.

3) Select IN Reader List clicking '**>>**' button.



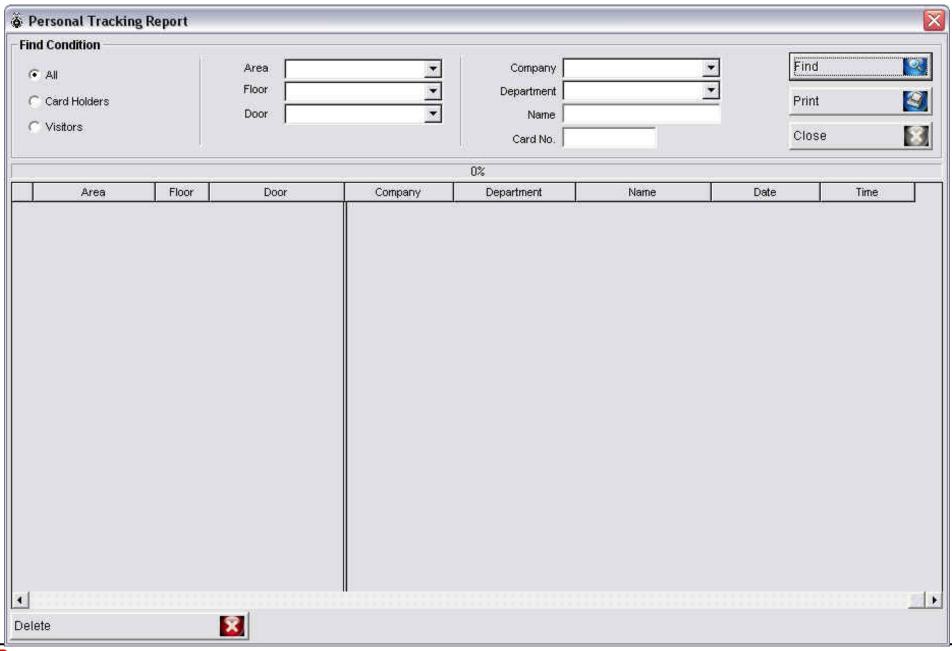
4) In Available Reader List, select Out Reader of space that has been wished check-in management.



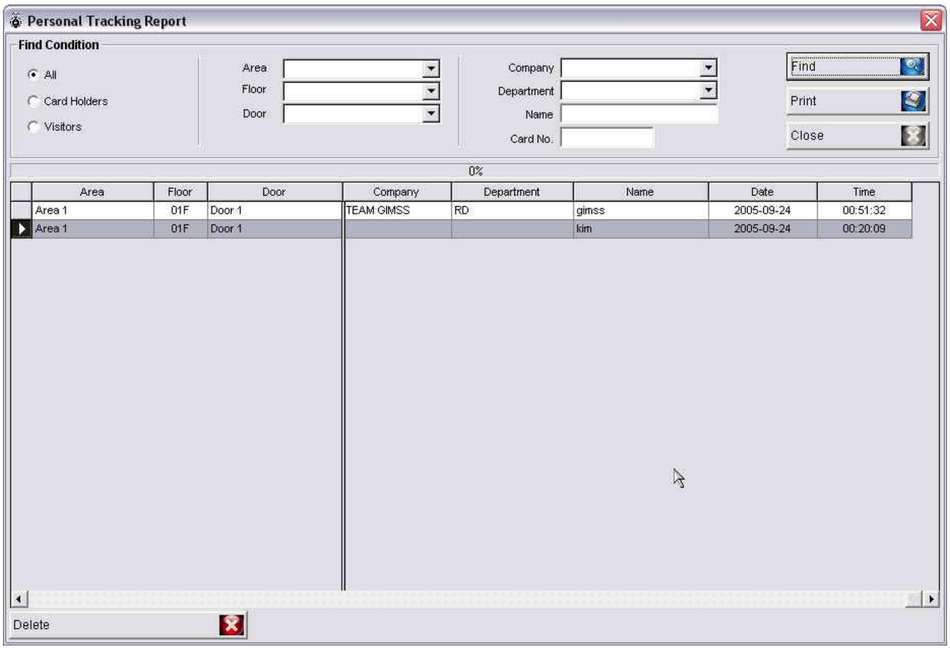
- Personal Tracking Report

Finds/ Prints personal tracking report during check-in. Do leaving process about incorrect data too.

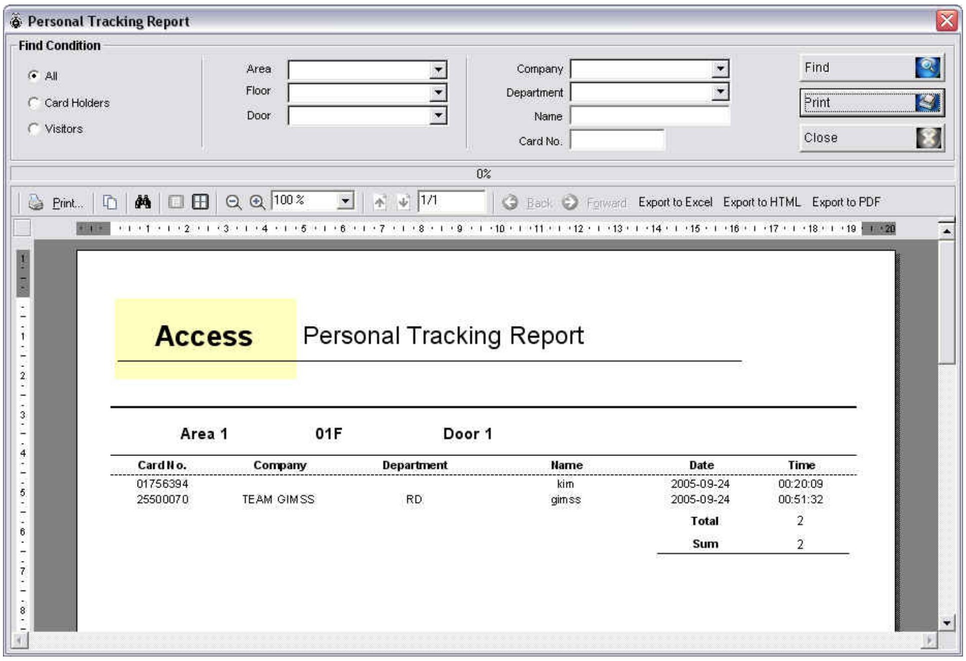
1) Report -> Personal Tracking Report



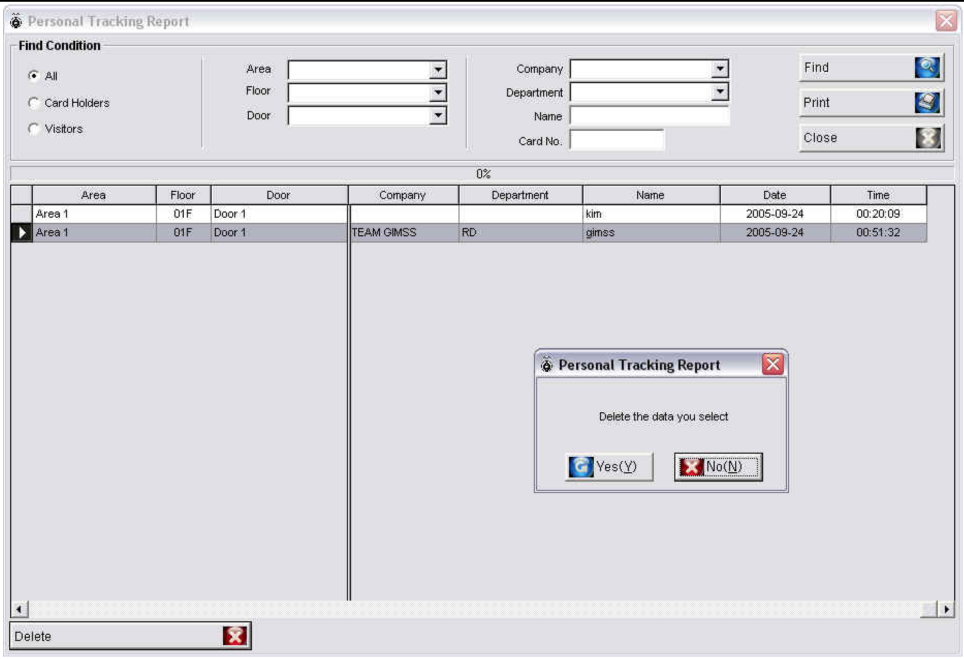
2) Click 'Find' button after you select Find Condition. And then it shows personal tracking report, final area and time during check-in.



3) If you want to print about Personal Tracking Report, you must click 'Print' button.



4) If incorrect results come out real check-in condition differently, you can manage forcibly leaving process. You do leaving process selecting incorrect data and clicking 'Yes' button about inquiry that "Delete the data you select?"



- **Guard Tour**

Register/Manage card, area and time of Guard Tour. Manage result according to Guard Tour.

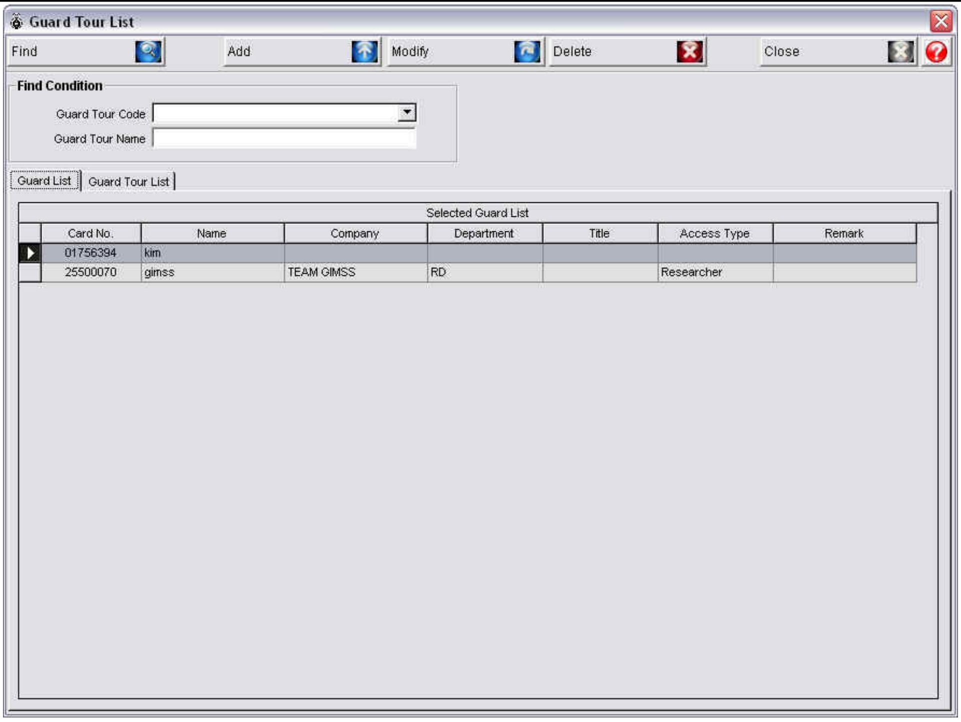
- Start

  Access Control -> Guard Tour

- Guard Tour Definition

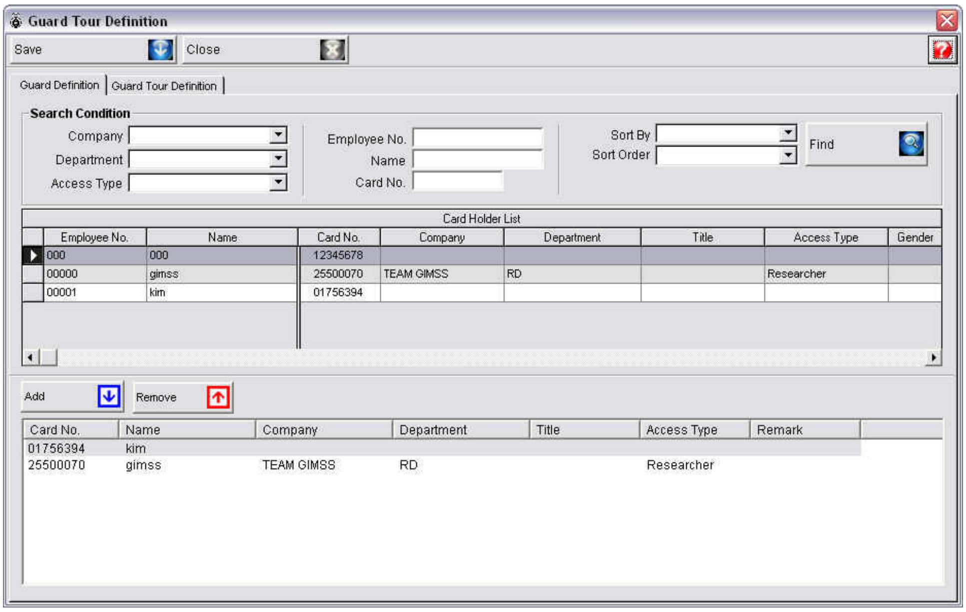
  Set employee, course and time etc. for guard tour.

1) Access Control -> Guard Tour -> Guard Tour Definition



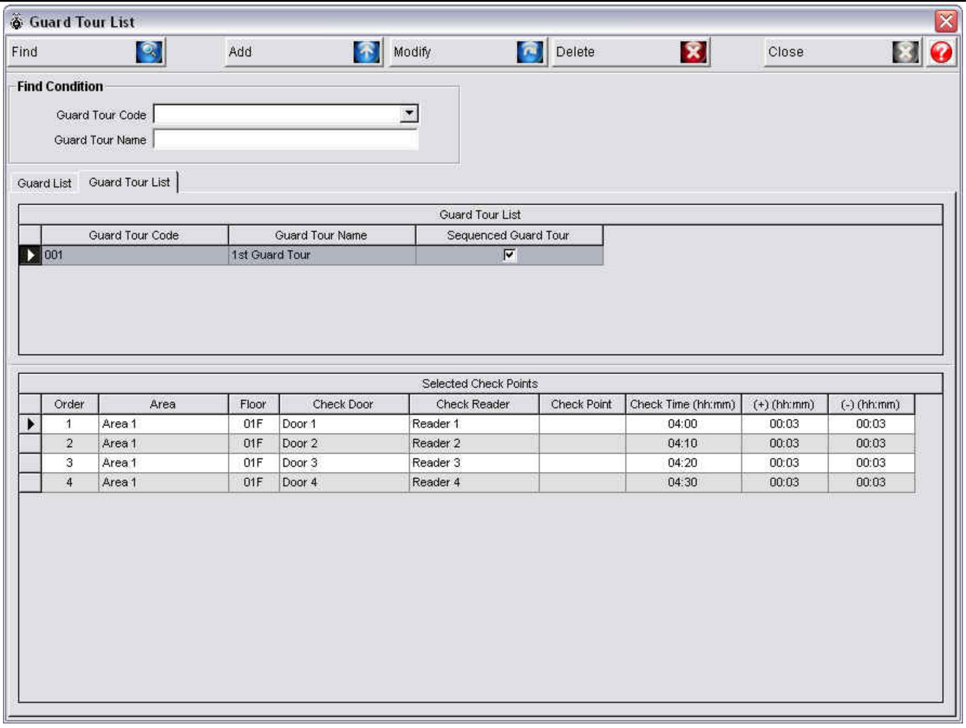
2) Select Guard List tab on Guard Tour List. Click ‘Add’ button to register employee for guard tour.

3) Select employee for guard tour among registered access persons. Add employee for guard tour clicking ‘Add’ button in Guard Tour List.



4) Close to register employee for Guard Definition clicking ‘Save’ button.

5) Select Guard Tour List tab on Guard Tour List window. Click ‘Add’ button to register course and time for guard tour.



6) Select Guard Tour List tab on Guard Tour List window.

7) Input Guard Tour Code and Guard Tour Name.

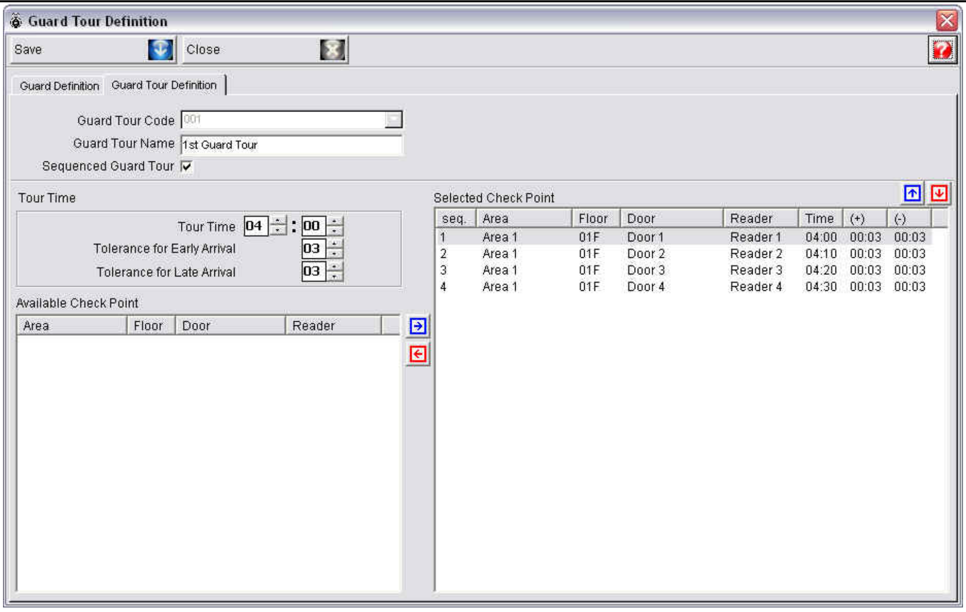
8) If order is appointed, option that 'Sequenced Guard Tour' will be selected. If you check option that 'Sequenced Guard Tour', you can appoint 'Check Time'. And employee for guard tour should progress patrol fitting Check Time.

8-1) In case of 'Sequenced Guard Tour', Set 'Tour Time'. Set 'Tolerance for Early Arrival' and 'Tolerance for Late Arrival'.

For standard 'Tolerance for Early Arrival', Guard Tour Employee patrols more early than 'Tolerance for Early Arrival'.

For standard 'Tolerance for Late Arrival', Guard Tour Employee patrols more late than 'Tolerance for Late Arrival'.

9) After selecting 'Selected Check Point', register Area for Guard Tour clicking '->' button.

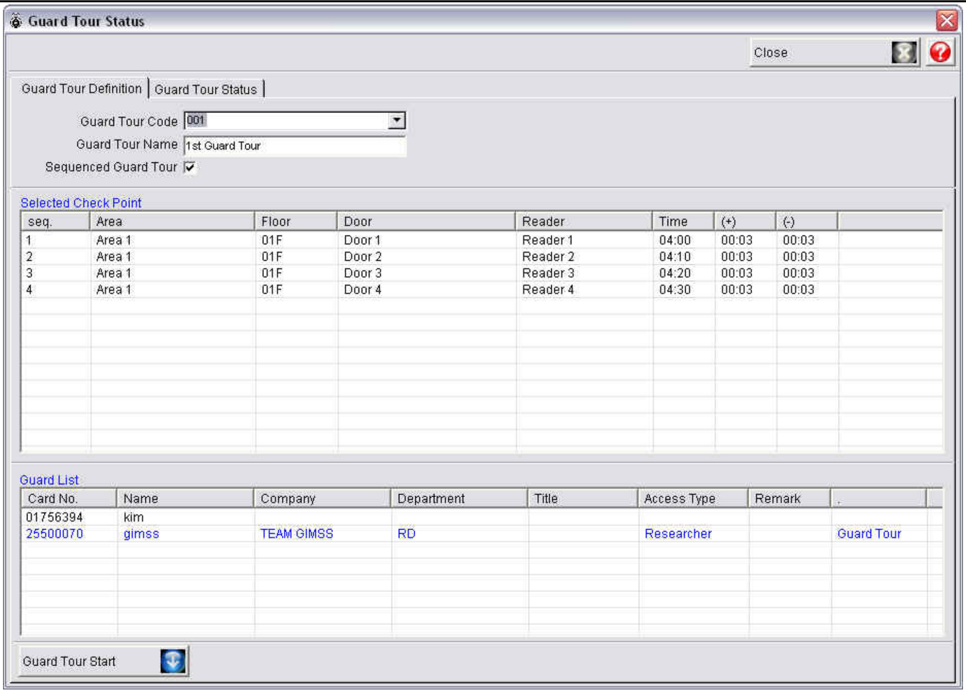


10) Save data clicking 'Save' button.

- Guard Tour Status

Use at real guard tour. Can start a guard tour and can see a guard tour list.

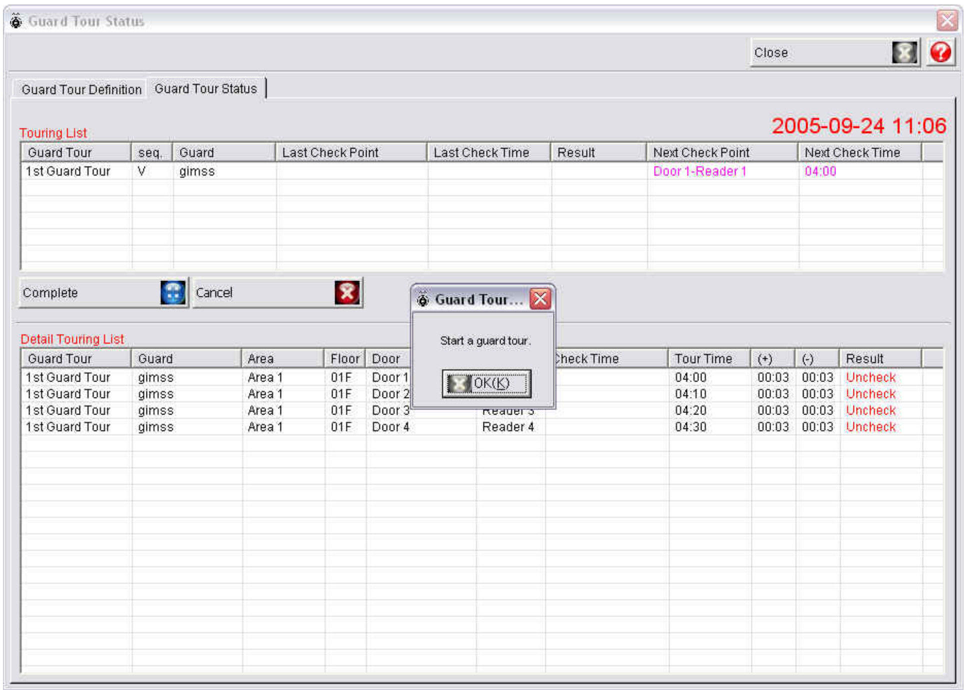
1) Access Control -> Guard Tour -> Guard Tour Status



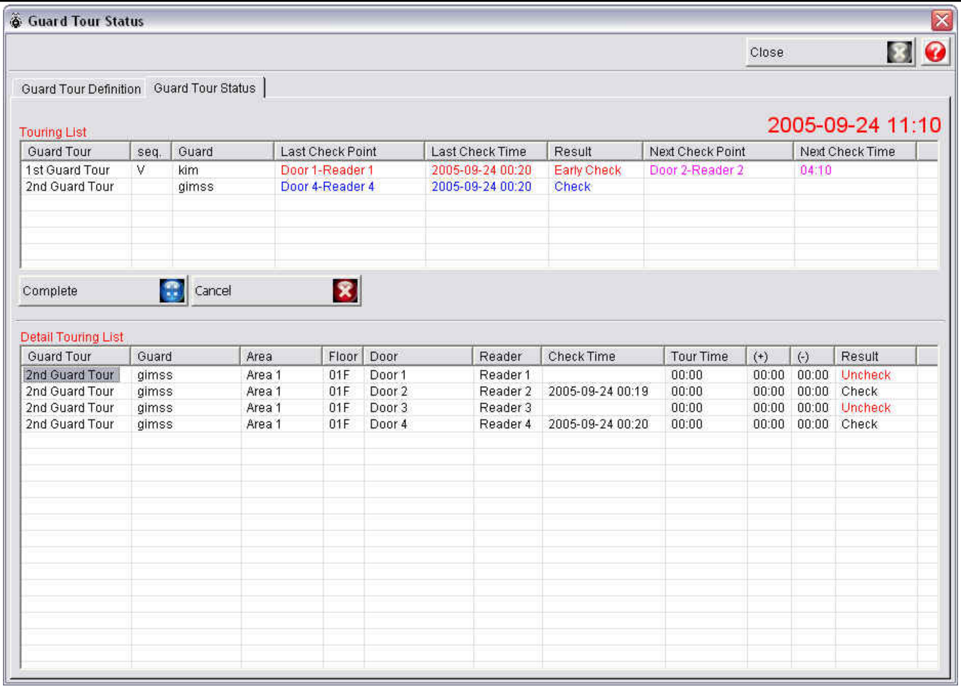
2) Select 'Guard Tour Code' that you wish to guard tour.

3) Select 'Guard Tour Name'.

4) Start clicking 'start a guard tour'. Selected person as guard tour employee makes card read in the reader which is selected as area for guard tour.



5) If Guard Tour Employee patrols, Touring List and Detail Touring List will show on the screen.



6) If you cancel guard tour, you must select ‘Guard Tour’ wished to cancel in Detail Touring List. Cancel ‘Guard Tour’ clicking ‘Cancel’ button. Canceled Detail Touring List was not recorded.

7) If guard tour is completed, you must select guard tour that is wished to complete in Detail Touring List. Complete guard tour clicking ‘Close’ button. Completed detail touring list can be confirmed in Guard Tour Report.

※ Caution : If registered card for guard tour employee don’t try ‘start a guard tour’, it will be used as Employee Card. Only try to ‘start a guard tour’, it is recognized as guard tour.



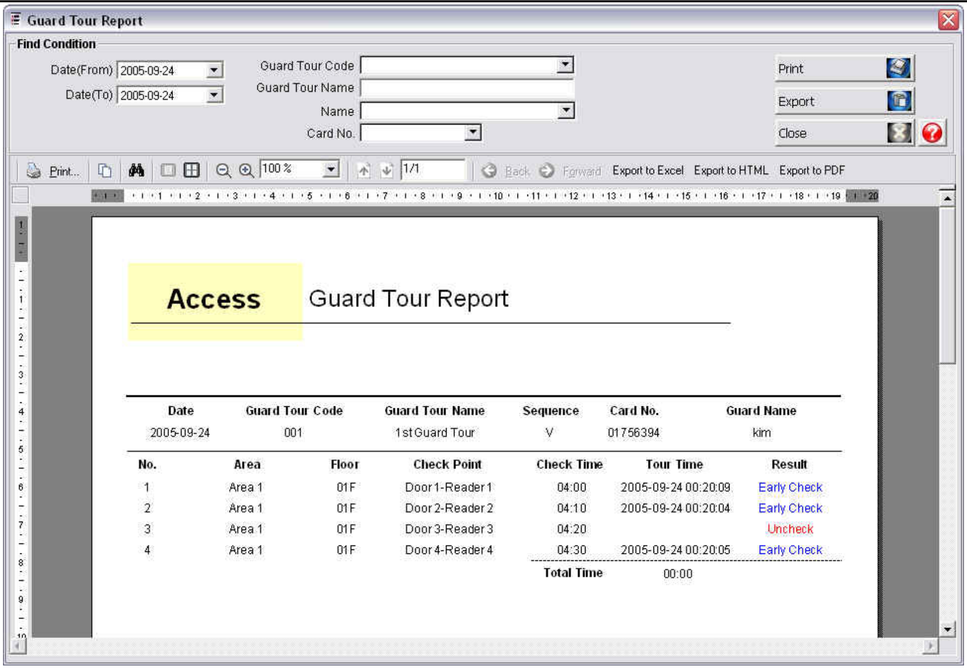
■ Guard Tour Report

Find about completed guard tour report

1) Select Report -> Guard Tour Report.

2) Select ‘Find Condition’. That is Date(From), Date(To), Guard Tour Code and Guard Tour Name etc.

3) Print ‘Guard Touring Report’ clicking ‘Print’ button.


Guard Tour Report
Find Condition
Date(From) 2005-09-24
Date(To) 2005-09-24
Guard Tour Code
Guard Tour Name
Name
Card No.
Print
Export
Close
Print...
100 %
1/1
Back
Forward
Export to Excel
Export to HTML
Export to PDF
Access
Guard Tour Report
Date Guard Tour Code Guard Tour Name Sequence Card No. Guard Name
2005-09-24 001 1st Guard Tour V 01756394 kim
No. Area Floor Check Point Check Time Tour Time Result
1 Area 1 01F Door1-Reader1 04:00 2005-09-24 00:20:09 Early Check
2 Area 1 01F Door2-Reader2 04:10 2005-09-24 00:20:04 Early Check
3 Area 1 01F Door3-Reader3 04:20 Uncheck
4 Area 1 01F Door4-Reader4 04:30 2005-09-24 00:20:05 Early Check
Total Time 00:00